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THE
WEEKLY WEATHER REPORT
OF THE
METEOROLOGICAL OFFICE
FOR THE YEAR
1894

(VOL. XI.—THIRD SERIES)

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND
BRIGHT SUNSHINE, FOR EACH WEEK,

WITH MONTHLY SUPPLEMENTS AND TWO APPENDICES.

Published by the Authority of the Meteorological Council.



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1895.

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ERRATA.

MONTHLY SUMMARIES.

January, p. iv.	Hastings.—Total rainfall should be 2·77 ins., and difference — 0·10 ins. Blackpool.—Dates of maximum temperature should be 11th, 27th. " Total rainfall should be 2·45 ins., and difference — 0·57 in.
February p. viii.	Churchstoke.—Minimum temperature should be 19°. Hereford.—Maximum temperature should be 56°. Blackpool.—Total rainfall should be 4·00 ins., and difference + 1·73 ins.
April, p. xvi.	Blackpool.—Minimum temperature should be 34° on 2nd, 20th.
May, p. xx.	Blackpool.—Minimum temperature should be 34° on 22nd.
June, p. xxiv.	Llandudno.—Minimum temperature should be 43° on 21st.
July, p. xxvii. p. xxviii.	Parsonstown.—Total rainfall should be 4·08 ins., and difference + 1·12 ins. Churchstoke.—Total rainfall should be 2·29 ins., and difference — 0·37 ins.
August, p. xxxii.	Laudale.—Total rainfall should be 4·64 ins., and difference — 0·60 in.
September, p. xxxvi.	Churchstoke.—Total rainfall should be 1·58 ins., and difference — 1·20 ins. Markree.—Maximum temperature should be 65° on 2nd, 10th.
October, page xl.	Edgeworthstown.—Total rainfall should be 4·29 ins., and difference + 1·24 ins.

PREFACE.

In the Weekly Weather Report for 1894 there have been no additions to the Tables or Charts. The general arrangement of the weekly Remarks and Tabular matter is unaltered, and will be found on the first and second pages of each Report. The Charts cover the same area as those for last year, viz. : nearly the whole of Europe and the greater part of the Mediterranean.

Monthly Summaries of the observations made at the stations included in the Daily and Weekly Weather Reports again appear as a Supplement.

Appendices I. and II. are published, as hitherto,—the former with some slight modification since 1891,—but Appendices III. and IV. will not be issued till the close of 1895, when the values will be published for the three lustra 1881–85, 1886–90, 1891–95, and for the whole period of 15 years, 1881–95.

Tables giving the Means of Temperature, Rainfall and Bright Sunshine, now used in the preparation of the Weekly Reports and Summaries, will be found at the end of the Preface to the Weekly Weather Report for 1891.

The general arrangement of the Weekly Report is as follows:—

LIST OF DISTRICTS.

For the purposes of this Report the United Kingdom is divided into eleven Districts, which are shown on the accompanying map, distinguished by the numbers 0 to 10. The positions of the stations supplying information are marked on the map by black dots, and their names are given in the following list, arranged under the districts to which they belong:—



METEOROLOGICAL DISTRICTS.

0. SCOTLAND, N.—Sumburgh Head, Stornoway, Wick, Glencarron, Fort Augustus, Fort William.
1. SCOTLAND, E.—Nairn, Aberdeen, Braemar, Ochertyre, Leith, Marchmont.
2. ENGLAND, N.E.—Alnwick Castle, Durham, Shields, Scarborough, York, Spurn Head.
3. ENGLAND, E.—Hillington, Yarmouth, Geldeston, Cambridge, Rothamsted.
4. MIDLAND COUNTIES.—Bawtry, Loughborough, Stamford, Cheadle, Churchstoke, Hereford, Cirencester, Oxford.
5. ENGLAND, S.—London, North Foreland, Strathfield Turgiss, Dungeness, Hastings, Southampton, Hurst Castle, Stowell.
6. SCOTLAND, W.—Laudale (Loch Sunart), Glasgow, Ardrossan, Glenlee, Douglas (Isle of Man).
7. ENGLAND, N.W.—Stonyhurst, Blackpool, Manchester, Liverpool Observatory, Llandudno, Holyhead.
8. ENGLAND, S.W.—Llandoverly, Pembroke, Bristol, Arlington, Culmpton, Falmouth, Plymouth, Prawle Point.
9. IRELAND, N.—Malin Head, Londonderry, Edenfel, Belmullet, Markree Castle, Brookeborough, Armagh, Donaghadee, Edgeworthstown.
10. IRELAND, S.—Dublin, Parsonstown, Kilkenny, Roche's Point, Valencia, Killarney, Foynes.

There are in addition two in the Channel Islands, viz., Scilly (St. Mary's), and Jersey (St. Aubin's), which cannot be conveniently placed in any of the Districts. Lairg and Waterford have ceased reporting. Records of Sunshine, only, are given on the fourth page of each Report from many additional stations.

SUMMARY.

The Summary on the first page of each Report gives for each week and district the absolute *maximum* and *minimum* temperatures observed, the averages of both the daily extremes, the daily average, and its difference from the mean of the corresponding period, as derived from observations of the 20 years 1871–90, together with the values for “Accumulated” temperature above and below 42° F.

DAILY MEAN TEMPERATURE.

The daily mean Temperature shown in the Tables is calculated from the mean between the daily maxima and minima, due regard being had for the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years, as recorded at Greenwich and the self-registering Observatories of the Meteorological Council.

The approximate Mean Daily Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima:—

Months.	Coefficient.
January.	0.529
December.	0.529
February.	0.500
November.	0.500
March.	0.485
October.	0.485
April.	0.476
September.	0.476
May.	0.470
August.	0.470
June.	0.465
July.	0.465

Example:

The mean maximum temperature for a week in December being 45.1
 The mean minimum 39.3
 The difference is 5.8
 This difference 5.8 × .529 (the coefficient for December) = 3.1
 This value when added to the mean minimum (39.3) gives 42.4, the required mean daily temperature of the week.

ACCUMULATED TEMPERATURE.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show for each week, and for the whole period from the commencement of the year, the weekly and progressive values, respectively, of the combined amount and duration of the excess

or defect of the air temperature, above or below a suitably fixed standard, or *base temperature*. The base adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

RULES for computing, for a WEEKLY PERIOD, from the observed MAXIMA and MINIMA, the ACCUMULATED TEMPERATURE above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.

2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply :—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is <i>above</i> 42° F. or <i>equal</i> to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is <i>below</i> 42° F., but the mean for the day is <i>above</i> 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0.4.
If the mean for the day is <i>below</i> 42° F., but the maximum is <i>above</i> 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the co-efficient 0.4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is <i>below</i> 42° F., or <i>equal</i> to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period, and also with the base temperature.

The coefficient given above, in Rules 2 and 3, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures,—for 32° F., 0.4; for 52° F., 0.33; for 62° F., 0.25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

RAINFALL.

The Summary on the first page of each Report gives for each week and each District the number of rainy days, and the total fall of rain, as well as the progressive values reckoned from the commencement of the year, and the difference between these amounts and the means for the corresponding week in the 25 years 1866-90.

BRIGHT SUNSHINE.

The Summary on the first page gives for each week and each District the numbers of hours of sunshine recorded, and the per-centage of that time to the whole time during which the sun is above the horizon; also the progressive values reckoned from the commencement of the year, together with the difference between them and the mean for the corresponding period in the ten years 1881 to 1890.

SUPPLEMENT AND APPENDICES.

Supplement.—Consists of twelve Summaries of the results of the Observations made at the Stations included in the Daily and Weekly Weather Reports during each of the Calendar months. Each Summary is illustrated by a lithographed plate.

Appendix I.—This contains (1) Summaries for each Quarter and for the whole year, of the Temperature and Rainfall records for each District, from 1866 to 1894, and (2) Tables giving for each district the monthly values for Rainfall, Accumulated Temperature (above and below 42° F.), and Bright Sunshine, as well as the progressive values for each from the commencement of the year, in continuation of the values given in Appendix I. for last year.

Appendix II. gives for the year 1894, and for each District, the weekly and progressive values for Rainy days, Amount of Rainfall, Accumulated Temperature (above and below 42° F.), and Bright Sunshine, in continuation of the values for the year 1893 printed in Appendix II. to the Weekly Weather Report for last year.

Tables showing for each degree of Latitude from 49° N. to 58° N., and for each Weekly and Monthly period, the total numbers of hours during which the Sun is above the Horizon, together with their Reciprocals, are given in the Preface to Vol. I., Second Series.

TABLE SHOWING THE REPORTS RECEIVED TOO LATE FOR INSERTION IN THEIR PROPER PLACES.

DATE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day Degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
December 22nd	Scarborough	51	32	47.3	34.9	41.4	+2.9	15	31	7	Inches. 0.83	Inches. +0.21	—	—	—

N.B.—The values for the earlier weeks have already appeared on the last page of the different weekly reports.

THE following is a LIST of the OBSERVERS who have furnished Information voluntarily for Publication in the WEEKLY WEATHER REPORT, 1894, together with the NAMES of their STATIONS and their ALTITUDE above the MEAN SEA LEVEL :—

Names of Stations.	Altitude above Mean Sea Level.	Names of Observers.	Remarks.	Names of Stations.	Altitude above Mean Sea Level.	Names of Observers.	Remarks.
Alnwick Castle	Feet. 210	Humphrey J. Williams, for the Duke of Northumberland, K.G.	Sunshine only.	Hillington	Feet. 88	Rev. H. E. B. Ffolkes, M.A., F.R. Met. Soc.	
Arley Cottage (Co. Cavan).	?	Major S. H. Maxwell, F.R.A.S.		Kilkenny	212	H. Carlton, for the Marquis of Ormonde, K.P.	
Arlington (North Devon).	613	W. Stewart, for Lady Chichester.		Killarney	110	The Ven. Archdeacon Wymie, F.R. Met. Soc.	
Armagh	207	Staff of Observatory.		Laudale	14	A. Fletcher, for T. G. H. Newton, M.A., F.R. Met. Soc.	
Bawtry (Hesley Hall).	65	B. J. Whitaker, J.P., F.R. Met. Soc.	Sunshine only.	Llandoverly	217	J. Watkins, F.R. Met. Soc.	
Blackpool	31	A. J. Anderson.		Llandudno	79	J. Nicol, M.D., F.R. Met. Soc.	
Braemar	1,114	J. A. Aitken, J.P.		Londonderry	93	J. Conroy, F.R. Met. Soc.	
Brighton	?	A. Newsholme, M.D.		Manchester	190	J. Niven, M.A., M.B.	
Bristol (Montpelier).	96	J. H. Jones, F.R.A.S.	Sunshine only.	Marehmont	500	P. Loney and J. S. Wood, for Sir H. P. Campbell, Bt.	
Brookeborough	279	M. Ferguson, for Sir A. D. Brooke, Bt.		Margate	134	J. Stokes, F.R. Met. Soc.	Sunshine only.
Cheadle	646	J. C. Philips.		Markree Castle	131	A. Marth, F.R.A.S., for Col. Cooper, F.R.A.S.	
Churchstoke	549	P. Wright, F.C.S., F.R. Met. Soc.		Newquay	200	J. Pearce	Sunshine only.
Cirencester	446	The Royal Agricultural College.	Sunshine only.	Ochertyre	333	G. Croucher.	
Cullompton	202	J. Turner, F.R. Met. Soc.		Omagh (Edenfel)	300	Col. Buchanan, F.R. Met. Soc.	
Douglas, Isle of Man.	137	A. W. Moore, M.A., J.P.		Oswaldkirk	510	R. Thompson	Sunshine only.
Dublin	51	J. W. Moore, M.D., F.R. Met. Soc.		Plymouth	125	H. Victor Prigg.	
Durham	335	H. J. Carpenter.	Sunshine only.	Prestwich	294	T. R. H. Clunn, M.D., F.R. Met. Soc.	
Eastbourne	? 120	R. Sheward, F.R. Met. Soc.		Rothamsted	368	Sir J. B. Lawes, Bart., LL.D., F.R.S., Sir J. H. Gilbert, Ph.D., F.R.S., and T. Wilson, F.R. Met. Soc.	
Edgeworthstown	265	J. M. Wilson, J.P.		Scarborough	157	Dr. H. G. H. Monk.	
Edinburgh	262	R. C. Mossman		Southampton	74	J. T. Cook, R.E., the Ordnance Survey Office.	
Falmouth	210	Staff of Observatory.	Sunshine only.	Stonyhurst	360	Staff of Observatory.	
Fort Augustus	75	Rev. M. Wall.		Stowell	376	Rev. H. J. Poole, F.R. Met. Soc.	
Fort William	37	R. T. Omond for Directors of Obsy.		Strathfield Turgiss	195	Rev. C. H. Griffith, M.A.	
Foynes	108	W. Ward, for Lord Monteagle, K.P.		Tenby	?	J. E. Gower	Sunshine only.
Geldeston	37	E. T. Dowson, F.R. Met. Soc.	Sunshine only.	Thurcaston	253	Rev. T. A. Preston, M.A., F.R. Met. Soc.	Sunshine only.
Glasgow	184	Staff of Observatory.		Torquay	286	A. Chandler, F.R. Met. Soc.	Sunshine only.
Glencarron	504	D. D. Munro, for Lord MacLaren.		Westbourne	30	L. B. Birkett	Sunshine only.
Glenlee	230	W. Melville for Prince Smith.		Workshop	112	H. Mellish, J.P., F.R. Met. Soc.	Sunshine only.
Guernsey	222	F. E. Carey, M.D., F.R. Met. Soc.	Sunshine only.	York	105	J. E. Clark, B.A.	Sunshine only.
Hastings	116	H. Colborne, M.R.C.S.					
Hereford	274	T. A. Chapman, M.D.					

Stations marked "ff" report through the Royal Meteorological Society; those marked "S" through the Scottish Meteorological Society. NOTE.—In cases where "Sunshine only" is received the altitudes quoted were those of the Recorders, not of the ground.

STATION	DATE	TEMPERATURE		WIND	SEA	WEATHER	REMARKS
		AIR	WATER				
1	1911						
2	1911						
3	1911						
4	1911						
5	1911						
6	1911						
7	1911						
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95	1911						
96	1911						
97	1911						
98	1911						
99	1911						
100	1911						

TABLE NO. 10. - SUMMARY OF THE DATA FOR THE YEAR 1911.

STATION	DATE	TEMPERATURE		WIND	SEA	WEATHER	REMARKS
		AIR	WATER				
1	1911						
2	1911						
3	1911						
4	1911						
5	1911						
6	1911						
7	1911						
8	1911						
9	1911						
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92	1911						
93	1911						
94	1911						
95	1911						
96	1911						
97	1911						
98	1911						
99	1911						
100	1911						

TABLE NO. 10. - SUMMARY OF THE DATA FOR THE YEAR 1911.

WEEKLY WEATHER REPORT.

1

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 1.]
Third Series.

WEEK ENDING SATURDAY, 6TH JANUARY, 1894.

[Price 6d.
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post paid, £1 10s. 0d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Mean for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The Means with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The Mean Amounts are those for the corresponding periods in the twenty-five years 1866-90, but the Mean numbers of Rainy Days are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The Mean Values employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 2.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	12	37.1	29.7	33.5	5 below.	Day-deg. 0	Day-deg. - 7	Day-deg. 60	Day-deg. +28	Day-deg. 0	Day-deg. - 7	Day-deg. 60	Day-deg. + 28
	1. SCOTLAND, EAST	53	4	35.7	27.6	31.8	5 below.	0	- 7	71	+31	0	- 7	71	+ 31
	2. ENGLAND, N.E.	48	8	35.2	27.2	31.4	7 below.	0	- 7	74	+38	0	- 7	74	+ 38
	3. ENGLAND, EAST.	42	9	32.2	22.6	27.0	10 below.	0	- 7	101	+59	0	- 7	101	+ 59
	4. MIDLAND COUNTIES.	44	0	32.1	21.9	27.2	11 below.	0	- 9	104	+62	0	- 9	104	+ 62
	5. ENGLAND, SOUTH	42	12	32.8	22.4	27.8	12 below.	0	-11	99	+67	0	-11	99	+ 67
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	49	12	37.0	28.8	33.1	6 below.	0	-10	62	+33	0	-10	62	+ 33
	7. ENGLAND, N.W.	48	12	35.3	27.0	31.3	8 below.	0	- 9	75	+45	0	- 9	75	+ 45
	8. ENGLAND, S.W.	45	11	34.2	23.9	29.2	12 below.	0	-15	90	+68	0	-15	90	+ 68
	9. IRELAND, NORTH	47	5	36.3	27.8	32.2	8 below.	0	-13	69	+43	0	-13	69	+ 43
	10. IRELAND, SOUTH	48	6	36.2	27.4	32.0	10 below.	0	-20	70	+50	0	-20	70	+ 50
	—CHANNEL ISLANDS	48	16	37.4	29.0	33.4	11 below.	0	-24	60	+51	0	-24	60	+ 51

DISTRICTS. (See p. 2.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of in. 2	10ths of ins. 11 less.	3	- 2	0.2	- 1.1	7	?	15	?	7	+ 2	15	+ 5
	1. SCOTLAND, EAST	3	3	4 less.	3	0	0.3	- 0.4	4	?	9	?	4	- 6	9	- 11
	2. ENGLAND, N.E.	6	4	1 less.	6	+ 3	0.4	- 0.1	8	0	16	0	8	0	16	0
	3. ENGLAND, EAST.	5	3	2 less.	5	+ 1	0.3	- 0.2	7	- 2	12	- 4	7	- 2	12	- 4
	4. MIDLAND COUNTIES.	4	1	5 less.	4	+ 1	0.1	- 0.5	10	+ 2	19	+ 3	10	+ 2	19	+ 3
	5. ENGLAND, SOUTH	3	2	5 less.	3	0	0.2	- 0.5	15	+ 3	27	+ 7	15	+ 3	27	+ 7
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	1	12 less.	2	- 3	0.1	- 1.2	7	0	14	0	7	0	14	0
	7. ENGLAND, N.W.	2	1	7 less.	2	- 2	0.1	- 0.7	10	+ 6	19	+ 11	10	+ 6	19	+ 11
	8. ENGLAND, S.W.	2	2	8 less.	2	- 2	0.2	- 0.8	16	+ 5	30	+ 10	13	+ 5	30	+ 10
	9. IRELAND, NORTH	2	2	6 less.	2	- 3	0.2	- 0.6	8	0	15	0	8	0	15	0
	10. IRELAND, SOUTH	3	2	7 less.	3	- 1	0.2	- 0.7	11	0	21	0	11	0	21	0
	—CHANNEL ISLANDS	2	3	5 less.	2	- 3	0.3	- 0.5	19	+ 9	33	+ 15	19	+ 9	33	+ 15

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations.

General Remarks.

Weather during the week was exceedingly cold and wintry. Squalls and showers of snow were of frequent occurrence in all parts of the Kingdom, but excepting over some of our eastern and south-eastern counties the amounts were inconsiderable. Temperature decreased steadily from the commencement of the week, and towards its close had become extremely low, the deficit ranging from 5° in Scotland N. and E., to 10° in England E. and Ireland S., 11° in the Midland Counties and the Channel Islands, and to 12° in England S. and S.W. The highest readings were recorded on December 31st, and ranged from 53° in Scotland E. to 42° in England E. and S., but during the latter half of the period the daily maxima over England were nearly all below 30°. The absolute minima were very low and were recorded on January 6th. They ranged from -4° in Scotland E. (at Braemar), 0° (zero) in the Midland Counties (at Bawtry), and 5° or 6° over the central parts of Ireland, to between 8° and 12° in nearly all the other districts. In the Channel Islands the lowest reading was 16°. At an additional station in the Midland Counties (Worksop) a minimum of -4.4° was recorded. The lowest grass minima reported were -9° at Braemar, and 0° (zero) at Edgeworthstown.

Rainfall (consisting almost entirely of melted snow) was less than the mean in all districts.

Bright Sunshine exceeded the mean in most parts of England, and equalled it over Ireland and in Scotland W., while in England E. there was a slight deficit. The percentage of the possible duration ranged from 33 in the Channel Islands, 30 in England S.W., and 27 in England S., to 12 in England E., and 9 in Scotland E.

Barometer and Wind.—During the greater part of the week the distribution of pressure over our Islands was anticyclonic. At first the highest readings were found in the south-west, and mild Westerly breezes prevailed over Ireland and Scotland, but subsequently a new high-pressure area spread over us from the north-eastward, and Easterly or North-Easterly winds set in over the whole Kingdom. This cold current gradually increased in force, and on the 3rd and 4th, blew a fresh to strong gale in the east and south-east. Later on a gale was experienced at most of our northern and western stations also. By the end of the week a somewhat complex depression had advanced from the southward to our south-western coasts, and the anticyclone was giving way.

II.—DATA from which the SUMMARY on page 1 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	38	30	36.7	32.0	34.4	- 4.6	0	53	5	0.44	-0.46	*	*	*	*
	Stornoway	48	29	38.4	32.0	35.3	- 3.6	0	47	3	0.11	-1.12	11.2	+ 5.4	25	+13
	Wick	43	28	37.6	33.4	35.6	- 2.3	0	45	6	0.40	-0.17	*	*	*	*
	Lairg	43	12	34.4	25.1	29.9	- 6.3	0	85	3	0.26	-0.58	*	*	*	*
	Glencarron	46	19	36.6	26.0	31.5	- 5.9	0	74	2	0.09	-2.15	*	*	*	*
	Fort Augustus	50	20	38.6	29.0	34.0	- 4.4	0	56	1	0.04	-1.02	3.0	?	6	?
	Fort William	48	21	37.4	30.3	34.0	- 5.6	0	56	2	0.04	-2.14	6.1	?	13	?
1. SCOTLAND, E.	Nairn	50	19	35.9	28.4	32.3	- 5.3	0	68	4	0.11	-0.34	*	*	*	*
	Aberdeen	48	23	36.4	31.7	34.1	- 3.7	0	55	5	0.36	-0.24	1.7	- 9.0	4	-18
	Braemar	46	-4	34.3	23.5	29.2	- 5.4	0	90	3	0.33	-0.35	4.3†	?	9†	?
	Ochertyre	53	2	35.3	23.7	29.7	- 6.7	0	86	3	0.37	-0.71	*	*	*	*
	Leith	50	15	37.3	30.6	34.1	- 5.0	0	55	2	0.02	-0.40	*	*	*	*
2. ENGLAND, N.E.	Marchmont	48	7	34.9	27.7	31.4	- 5.0	0	74	3	0.42	-0.25	7.5	?	15	?
	Alnwick Castle	48	10	35.0	26.1	30.7	- 7.1	0	79	5	0.67	+0.08	*	*	*	*
	Durham	47	8	35.3	26.3	31.0	- 8.0	0	77	5	0.32	-0.26	7.0	- 2.8	14	- 4
	Shields	46	12	36.1	29.7	33.0	- 6.5	0	63	6	0.35	-0.14	*	*	*	*
	Scarborough	46	14	36.4	26.2	31.5	- 7.1	0	74	6	0.48	-0.03	*	*	*	*
3. ENGLAND, E.	York	43	10	33.6	26.1	30.0	- 7.6	0	84	5	0.38	-0.07	9.1	+ 3.6	18	+ 7
	Spurn Head	42	19	34.9	28.9	32.0	- 6.5	0	70	7	0.33	-0.05	*	*	*	*
	Hillington	39	10	31.7	22.3	27.2	- 10.0	0	104	7	0.76	+0.26	10.5	+ 1.3	20	+ 3
	Yarmouth	40	20	34.3	25.6	30.1	- 7.7	0	83	6	0.20	-0.30	*	*	*	*
	Gedleston	42	9	33.1	22.0	27.8	- 10.4	0	99	4	0.31	-0.10	4.9	- 6.5	9	-11
4. MIDLAND COUNTIES	Cambridge	38	11	31.6	22.0	27.0	- 10.6	0	105	5	0.22	-0.16	7.4	- 2.6	14	- 4
	Rothamsted	38	11	30.2	21.0	25.8	- 11.6	0	113	3	0.13	-0.45	3.4	?	6	?
	Bawtry (Hesley Hall)	43	0	33.7	22.0	28.1	- 9.3	0	97	5	0.22	-0.26	*	*	*	*
	Loughborough	42	5	31.4	23.1	27.4	- 10.4	0	102	5	0.20	-0.28	*	*	*	*
	Stamford (Ketton Hall)	40	6	30.7	22.6	26.8	- 10.6	0	106	6	0.28	-0.20	*	*	*	*
5. ENGLAND, S.	Cheadle	42	10	32.3	21.8	27.3	- 9.3	0	103	3	0.08	-0.59	8.8	- 0.3	17	0
	Churchstoke	41	10	31.1	20.6	26.1	- 11.9	0	111	1	0.01	-0.67	*	*	*	*
	Hereford	43	10	31.9	22.3	27.3	- 11.3	0	103	5	0.08	-0.47	13.6	+ 4.5	25	+ 8
	Cloucester	44	9	34.3	20.7	27.8	- 9.8	0	99	0	—	-0.68	9.9	+ 1.4	18	+ 2
	Oxford	38	11	31.0	21.7	26.5	- 11.9	0	109	3	0.07	-0.42	9.9	+ 1.4	18	+ 2
6. SCOTLAND, W.	London	37	13	31.7	22.4	27.2	- 12.0	0	104	6	0.47	-0.02	3.1†	- 1.2†	6†	- 2†
	North Foreland	42	15	34.4	24.4	29.6	- 9.7	0	87	3	0.10	?	*	*	*	*
	Strathfield Turgiss	38	13	31.3	21.9	26.8	- 11.2	0	106	3	0.07	-0.45	*	*	*	*
	Dungeness	39	13	34.1	22.0	28.3	- 11.8	0	96	2	0.17	-0.45	*	*	*	*
	Hastings (St. Leonards)	41	12	32.5	22.0	27.5	- 12.6	0	102	5	0.15	-0.52	14.8	+ 2.1	27	+ 5
7. ENGLAND, N.W.	Southampton	42	14	31.9	22.8	27.5	- 12.5	0	102	4	0.20	-0.50	20.0	+10.0	36	+18
	Hurst Castle	41	18	35.3	24.4	30.1	- 10.8	0	83	1	0.06	-0.59	*	*	*	*
	Stowell	39	13	31.1	19.1	25.3	- 13.3	0	117	3	0.09	?	*	*	*	*
	Laudale (Loch Sunart)	49	22	38.8	29.2	34.2	- 5.9	0	55	3	0.12	-1.06	*	*	*	*
	Glasgow	49	17	36.9	29.5	33.4	- 5.0	0	60	1	0.05	-0.88	2.7	- 1.5	6	- 2
8. ENGLAND, S.W.	Ardrossan	49	23	36.0	30.7	33.5	- 6.8	0	60	2	0.06	-0.84	*	*	*	*
	Glenlee	48	12	35.8	25.2	30.7	- 6.7	0	79	1	0.09	-1.52	*	*	*	*
	Douglas (Isle of Man)	46	22	37.7	29.5	33.8	- 7.0	0	57	3	0.05	-1.00	11.4	+ 2.4	22	+ 5
	Stonyhurst	44	12	33.1	25.0	29.2	- 8.7	0	90	4	0.11	-0.88	15.0	+ 8.4	29	+17
	Blackpool	48	14	37.2	26.8	32.2	- 6.3	0	69	2	0.15	-0.55	7.6	+ 1.3	15	+ 3
9. IRELAND, N.	Manchester	43	14	34.3	24.4	29.6	- 8.3	0	87	1	0.02	-0.76	0.8†	?	2†	?
	Liverpool Obay. (Bidston)	46	13	33.6	27.9	30.9	- 8.8	0	78	2	0.02	-0.52	*	*	*	*
	Llandudno	46	15	36.5	27.0	31.9	- 9.7	0	71	2	0.08	-0.69	15.4	+ 8.4	29	+16
	Holyhead	46	20	37.1	30.6	34.0	- 8.6	0	56	0	—	-0.80	*	*	*	*
	Llandoverly	41	11	32.6	19.6	26.4	- 14.0	0	109	3	0.04	-1.18	*	*	*	*
10. IRELAND, S.	Pembroke	45	19	37.4	27.4	32.6	- 10.5	0	66	2	0.18	-0.71	19.9	+ 9.5	37	+17
	Bristol (Montpellier)	41	11	31.4	22.5	27.1	- 12.2	0	104	2	0.16	?	*	*	*	*
	Arlington (N. Devon)	42	14	33.4	21.6	27.7	- 12.3	0	100	2	0.04	-1.09	*	*	*	*
	Cullompton	41	15	31.7	21.3	26.7	- 13.3	0	107	3	0.55	-0.24	15.6	+ 7.8	28	+14
	Falmouth	44	20	36.6	27.0	32.0	- 12.1	0	70	3	0.14	-1.08	12.2	+ 1.4	22	+ 3
CHANNEL ISLANDS	Plymouth	44	17	35.1	24.6	30.1	- 12.0	0	83	2	0.12	-0.78	13.4	+ 3.6	24	+ 6
	Prawle Point	45	20	35.0	27.0	31.2	- 11.0	0	76	1	0.01	-0.77	*	*	*	*
	Malin Head	47	23	37.7	33.1	35.5	- 4.6	0	46	0	—	?	*	*	*	*
	Londonderry	46	21	37.4	29.8	33.8	- 6.2	0	57	1	0.02	-0.90	*	*	*	*
	Edenfel (Omagh)	44	8	34.3	22.9	28.8	- 9.8	0	92	3	0.41	-0.39	*	*	*	*
9. IRELAND, N.	Belmullet	46	26	38.9	32.9	36.0	- 7.2	0	42	4	0.29	?	*	*	*	*
	Markree Castle	42	15	34.3	23.8	29.3	- 10.1	0	89	3	0.12	-0.66	9.2	+ 0.1	13	+ 1
	Brookeborough	42	14	37.0	26.0	31.7	- 6.5	0	72	3	0.28	-0.70	*	*	*	*
	Armagh	43	6	34.8	26.4	30.8	- 7.9	0	78	2	0.19	-0.46	8.4	- 0.8	16	- 1
	Donaghadee	46	20	38.6	31.7	35.3	- 5.3	0	47	3	0.19	-0.47	*	*	*	*
10. IRELAND, S.	Edgeworthstown	43	5	33.4	23.4	28.6	- 10.9	0	94	0	—	-0.70	*	*	*	*
	Dublin	44	20	37.6	30.2	34.1	- 7.3	0	55	3	0.18	-0.34	3.3	- 8.1	6	-15
	Parsonstown	48	6	36.7	24.1	30.7	- 8.9	0	79	3	0.08	-0.62	9.8	- 0.4	18	- 1
	Kilkenny	42	15	33.7	27.6	30.8	- 10.1	0	78	4	0.24	-0.54	*	*	*	*
	Waterford	45	15	34.3	26.9	30.8	- 11.6	0	78	4	0.51	-0.49	*	*	*	*
CHANNEL ISLANDS	Roche's Point	45	20	35.7	30.4	33.2	- 10.5	0	62	2	0.75	-0.45	*	*	*	*
	Valencia	44	20	38.6	28.1	33.6	- 11.5	0	59	2	0.03	-1.42	20.4	+ 8.8	38	+17
	Killarney	43	13	36.8	24.7	31.0	- 12.4	0	77	0	0.01†	?	*	*	*	*
	Foynes	43	13	36.8	24.7	31.0	- 12.4	0	77	1	0.02	?	*	*	*	*
	Scilly (St. Mary's)	48	25	39.9	32.0	36.1	- 10.2	0	41	1	0.36	-0.52	*	*	*	*
CHANNEL ISLANDS	Jersey	44	16	34.9	26.0	30.7	- 12.1	0	79	3	0.28	-0.51	22.5	+ 8.5	39	+15

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† The Sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 31st December, 1893.

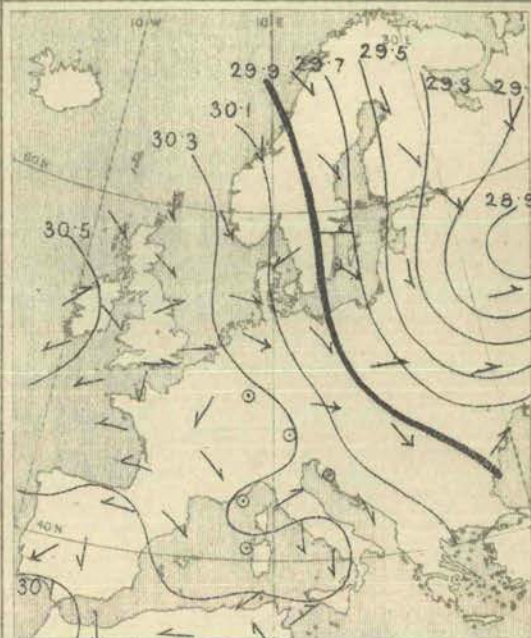
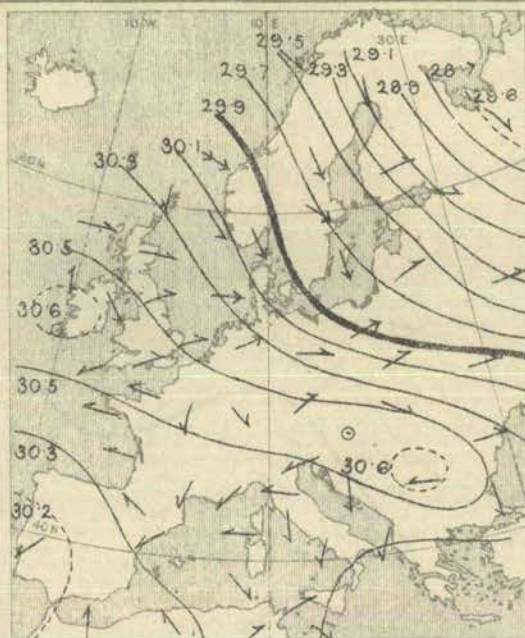
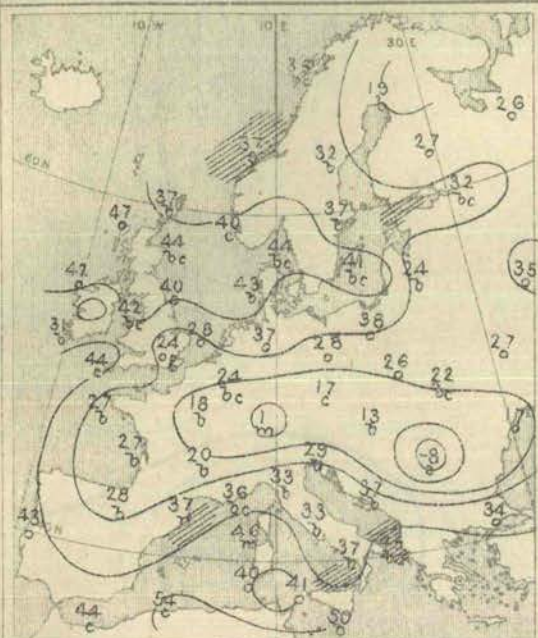
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine in many parts of the United Kingdom, but foggy or misty over the central and south-eastern parts of England, and dull on our extreme north and north-west coasts, with rain at Wick. Fine and bright over France, Italy, and Austria, as well as over the greater part of Scandinavia and Denmark; dull at the Russian, north German, and Spanish stations. Slight cold showers falling during day in many parts of the United Kingdom, and snow at some of the Russian and Scandinavian stations (amount largest Christiansund). Temperature fallen in most places, but risen over central Russia and north Germany, as well as at some of our own northern and central stations. Morning readings highest, (1) 54° at Algiers, 50° at Malta, and 46° at Sanguinaire; (2) 49° at Nairn, and 47° at Stornoway and Ardrossan. Lowest, - 8° Fahr. at Hermansdahl, + 1° at Memel, 13° at Munich, and 17° at Nicolaieff and Odessa; below the freezing point over central and eastern Europe generally, as well as over central Ireland and the south-eastern parts of England. Rising during day to between 45° and 50° in Ireland and Scotland, but remaining below 40° in the south-east of England. Frost occurring in several parts of the United Kingdom at night.

Wind light from the Westward on our northern and eastern coasts, and strong from the same quarter or from North-West over Scandinavia, Denmark, the Baltic, and northern Russia. Variable over the more central parts of our Islands; light to moderate from the Eastward or North-Eastward on our south coasts, and also over the greater part of France, Spain, and Italy; South-Easterly or Southerly in Algeria. Subsequently veering to the Northward over Norway and Scotland, gales from the North-Westward setting in at Wisby and Helsingfors.

Barometer highest, 30.3 ins. to 30.6 ins. or rather more in an anticyclone covering our Islands, France, and the greater part of central, southern, and south-eastern Europe. Lowest, 29.6 ins. in a large depression having its centre over northern Russia. Gradients rather steep over the whole of northern Europe. Depression subsequently moving southwards, and brisk rise of barometer taking place over Scandinavia; mercury falling briskly in Russia, and rather decidedly over England and France.

Monday, 1st January, 1894.

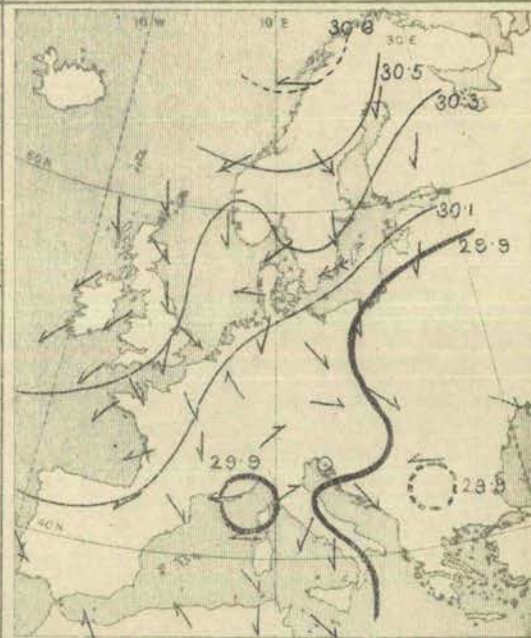
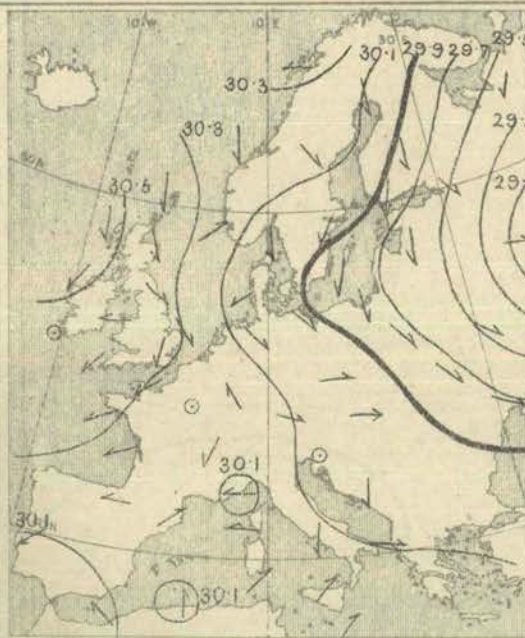
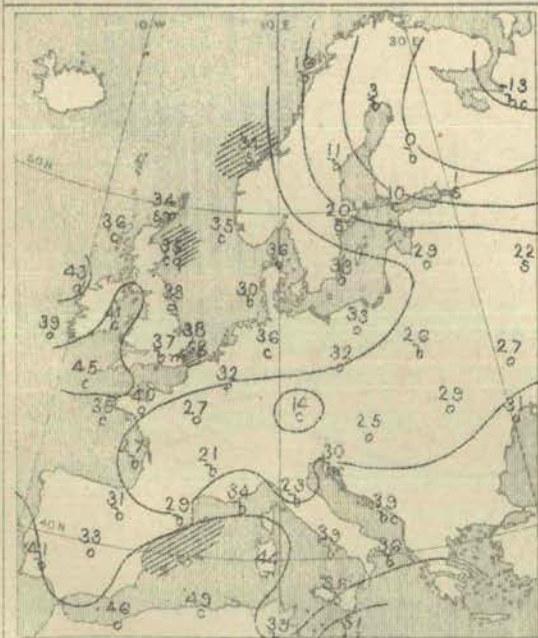
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather varying greatly in different parts of the United Kingdom; fine in some places but very cloudy in others, with snow showers at Sumburgh Head. Fine in most parts of southern Europe, as well as in Sweden and Finland, but dull in many of the central and eastern countries, with snow at St. Petersburg and Moscow, as well as at Stockholm. A thunder-storm reported at Malta. Snow or hail falling later in the northern and eastern parts of our Islands, as well as at many of the German and Austrian stations.

Temperature risen in the south of our Islands, and also in France, Germany, and Italy, but fallen elsewhere. Morning readings highest, (1) 51° at Malta, 40° at Oren and Algiers, and 40° at Nemours; (2) 45° at Scilly, and 43° at Belmullet. Lowest, - 13° Fahr. at Archangel, 0° zero at Kuopio, 1° at St. Petersburg, and 2° at Uleaborg; below the freezing point over France, Germany, and northern Italy, and very little above it in the central parts of Great Britain. Daily maxima below 40° at several of our own northern and eastern stations, and below 32° in some parts of central France. Thermometer exceeding 60° over the Spanish Peninsula and the south of Italy, and reaching 59° at Lisbon.

Wind Northerly over our Islands and the greater part of northern Europe, light or moderate in force generally, but strong to a gale over the Gulf of Finland, Westerly or North-Westerly over Germany, Austria, and the south of Russia. Light from the Eastward or North-Eastward in Spain and the west of France, and from the Northward in Italy, but South-Westerly at Palermo and Malta. Subsequently veering to the North-Eastward in many parts of north-western and northern Europe, and increasing to a gale over the Christiania Fiord.

Barometer highest, 30.5 ins. and upwards in an anticyclone lying to the westward of our Islands. Lowest, 29.6 ins. and less in a well-marked depression over central Russia; gradients rather steep over the whole of Russia. Barometer falling during day over the western countries, but rising briskly over northern Europe; new anticyclone appearing over the north of Scandinavia.

III.—SUMMARY OF WEATHER OVER EUROPE.

Tuesday, 2nd January.

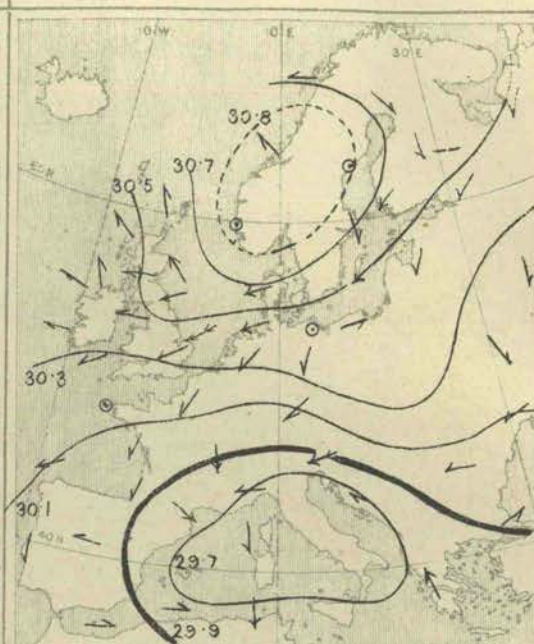
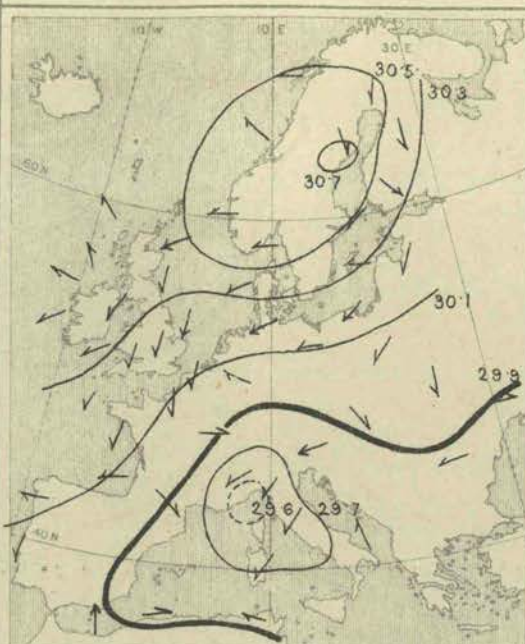
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

8 p.m.



Weather fair over the greater part of the United Kingdom and France, but dull in places, with snow showers at Wick, and hail at the North Foreland. Fine and bright in Scandinavia, Denmark, and Russia, as well as in Spain and the south of Italy; dull over Germany, Austria, central France, and northern Italy, with snow in many places and even as far south as Rome. Snow falling during day in Sweden and north Germany, as well as in several parts of Great Britain, the quantity being rather large at Jersey and Dungeness. Temperature risen in most parts of France and southern Europe, but fallen elsewhere. Morning readings highest, 51° at Nemours, 50° at Malta and Algiers, and 47° at Brindisi; above 40° at most of the Mediterranean stations, and just touching that point in the Scilly and Channel Islands. Lowest, 4° at Helsingfors, 5° at Riga, 8° at Kuopio, and 9° at Memel (many of the Russian reports wanting); considerably below the freezing point in Scandinavia and central Europe generally, and slightly below it at some of the English stations. Daily maxima below 40° in all but the south-western parts of the United Kingdom and also in many parts of France, but thermometer reaching 50° in Portugal and the south of Spain.

Wind North-Easterly over a considerable portion of our Islands and the Continent; light or moderate in force generally, but strong in force on the south-east coasts of England, as well as at some of the Danish and Baltic stations. South-Easterly in the extreme north and north-west of our Islands, Northerly in Russia. Southerly or South-Westerly over the southern parts of Italy. Variable in Algeria. Subsequently increasing to a fresh gale from the Eastward on the Norfolk coast; no important change occurring elsewhere. Barometer highest, 30.7 ins. and upwards over central Sweden; 30.4 ins. and upwards in a large anticyclone covering the whole of Scandinavia, and extending westwards over the North Sea and the northern parts of our Islands. Lowest, 29.6 ins. and less in a depression over the Gulf of Genoa. Anticyclone subsequently increasing in height and spreading westwards and southwards; and barometer rising in most parts of north-western Europe.

Wednesday, 3rd January.

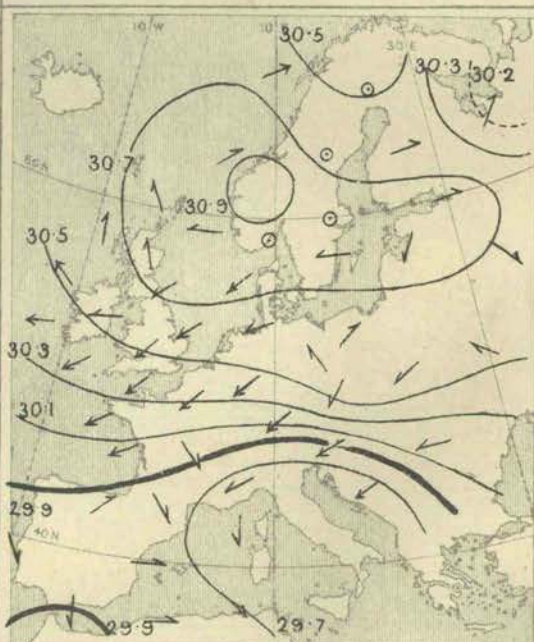
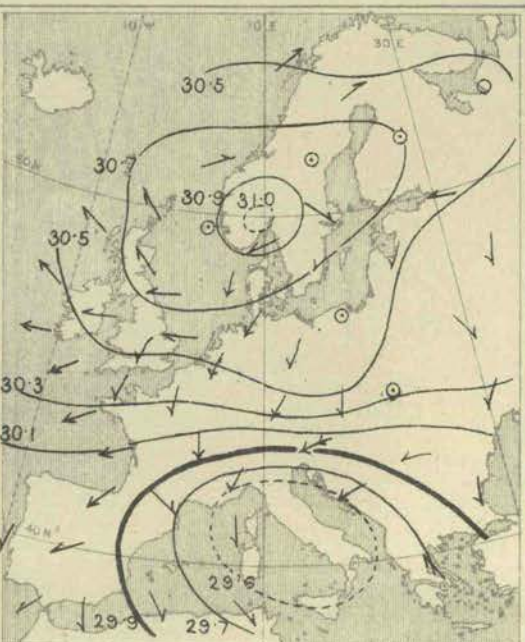
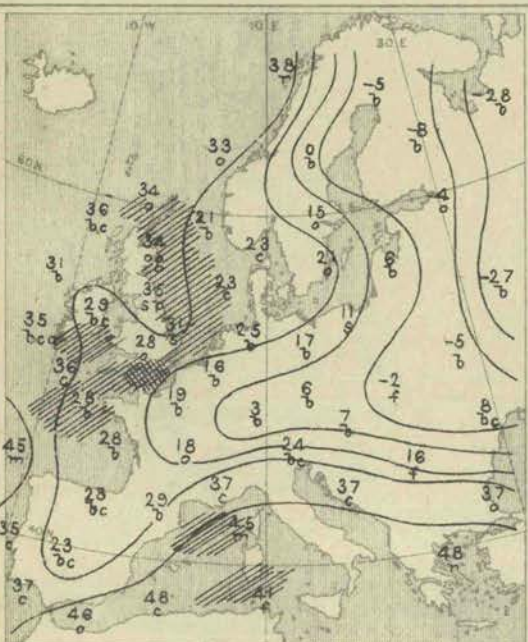
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

8 p.m.



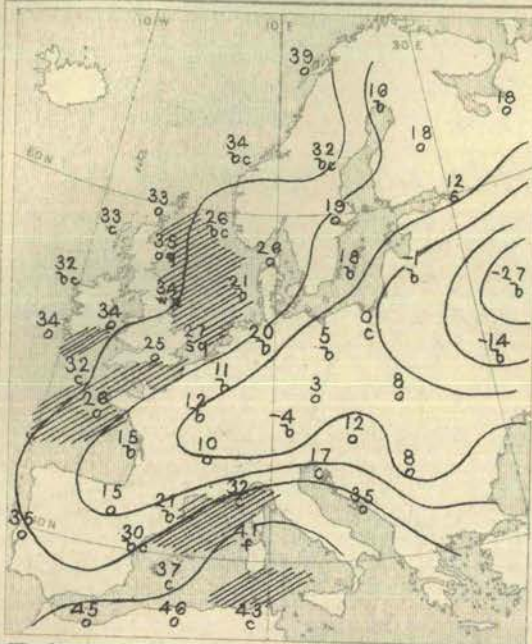
Weather fine at many of our western stations, but cloudy in other parts of the United Kingdom, with snow squalls over eastern and central England. Fine and bright over the greater part of the Continent, but dull in the west of Norway, with rain at Bodø. Rain also falling at Athens, Patras, and La Calle. No important change occurring during day, but heavy snow falling in the southern suburbs of London at night, and small quantities at many of the German and Austrian stations.

Temperature fallen generally, but risen quickly in the west of Norway. Morning readings highest, (1) 48° at Athens and Algiers, 46° at Oran, and 41° at Nemours, Tunis, and Sfax (Italian reports wanting); (2) 38° at Bodø and 36° at Stornoway. Lowest, - 28° Fahr. at Archangel, - 27° at Moscow, - 11° at Kharkov, and - 8° at Kuopio; below 10° in several parts of Germany and Austria, below 20° over Belgium and central France, and below the freezing point over England and all but the extreme southern parts of the Continent. Remaining below 32° all day at several of the English and French stations, and below 20° in Germany; maximum at Munich only 7°.

Wind Easterly or North-Easterly over England and a considerable portion of the Continent, strong in force on many parts of the English and Irish coasts, and blowing a gale at Munich and Trieste. South-Easterly in Scotland and the north of Ireland. South-Westerly over the northern parts of Scandinavia. North-Westerly or Westerly in Algeria. Subsequently increasing to a moderate gale from the Eastward on the south-east coasts of England; no important change occurring elsewhere. Barometer highest, 30.8 ins. and upwards over the southern parts of Scandinavia and the northern parts of the North Sea; 30.6 ins. and upwards in a large anticyclone covering nearly the whole of northern Europe, and extending westwards over all the more northern parts of Great Britain. Lowest, 29.6 ins. and less in a large depression lying (apparently) over Italy and the adjacent parts of the Mediterranean. Gradients steep over Austria, south Germany, Switzerland, and the south-east of France. Fall taking place during day over France, Spain, and the south of our Islands, with some increase in the gradients for easterly winds.

Temperature and Weather.

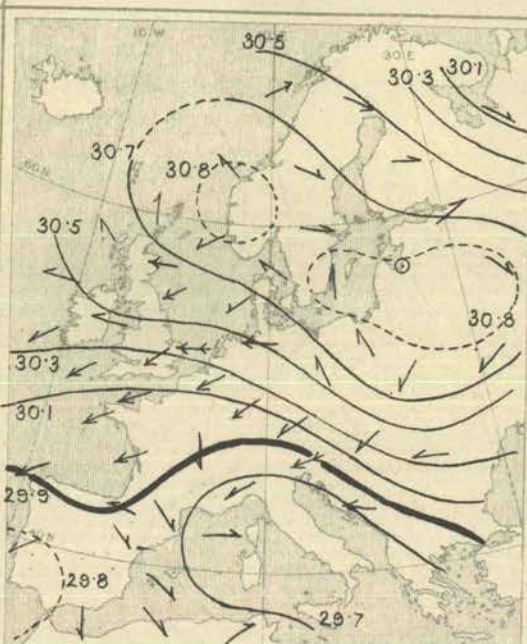
8 a.m.



Weather fine at some of the Irish stations, but cloudy in other parts of the United Kingdom, with snow over England. Fine and bright over a considerable portion of the Continent, but dull in northern Russia, and also in Austria, Spain, and the south of France. Snow showers falling during day in many parts of our Islands, amounts mostly slight, but large at Roche's Point. Lightning seen at Roche's Point and bright aurora at Wick.

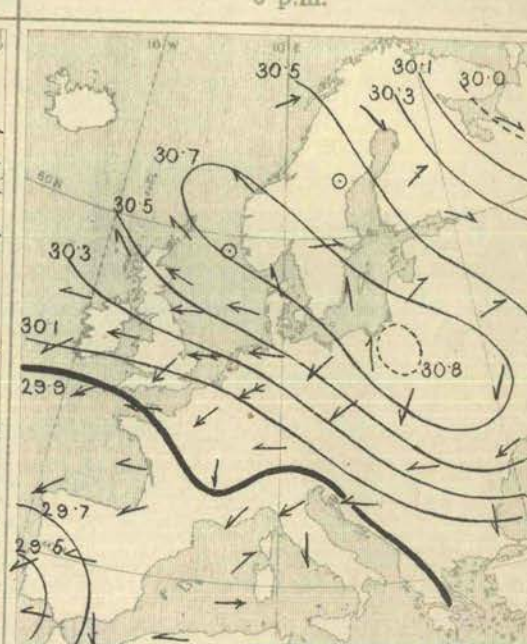
Temperature risen slightly at some of our own northern stations, and rapidly over northern Russia, but fallen elsewhere. Morning readings highest, (1) 46° at Algiers, 45° at Oran, and 43° at La Calle (Italian and Greek reports wanting); (2) 39° at Bodo and 36° at Leith. Lowest, - 27° Fahr. at Moscow, - 24° at Kharkov, - 14° at Kiev, and - 4° at Munich; below 10° in most parts of Germany, below 15° in Belgium and the central parts of France. Remaining below the freezing point all day over a considerable portion of England, and thermometer falling to 13° at Dungeness, and to 14° in London.

8 a.m.



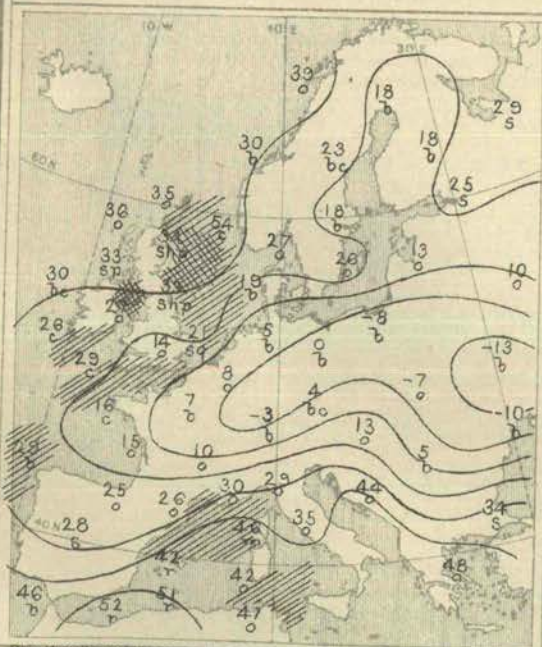
Wind Easterly or North-Easterly over the greater part of our Islands and the Continent, and strong in force in many places, with a gale over the Netherlands and the south-east of England, as well as at Trieste. Light from the Westward over the northern parts of Scandinavia and Russia, and also at many of the Algerian stations. Moderate gale setting in later on our north-east and north-west coasts; no important change occurring elsewhere. *Barometer* highest, 30·3 ins. and upwards in two areas, one lying over the southern parts of Norway, and the other over central Russia; 30·5 ins. and upwards over all the more northern parts of our Islands and the Continent. Lowest, 29·7 ins. and less in a large depression lying over the Adriatic, Italy (apparently), and the neighbouring parts of the Mediterranean, 29·8 ins. and less in another system over the south-western parts of the Spanish Peninsula. Latter disturbance spreading northwards during day, and barometer falling in all parts of western Europe.

8 p.m.



Temperature and Weather.

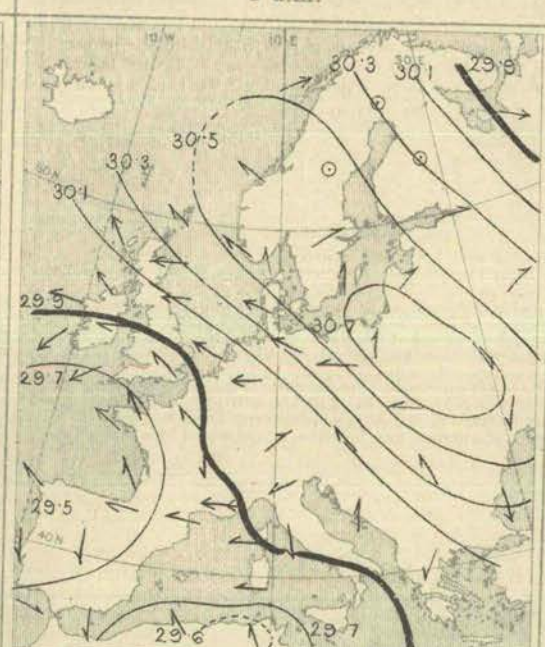
8 a.m.



Weather fine at some of the Irish stations, but cloudy over Great Britain, with snow in nearly all parts of England, as well as in some parts of France and central Spain. Fine and bright over Scandinavia, Denmark, Germany, and the south of Russia, dull at many of the Italian stations, and also over the northern and central parts of Russia. Rainy in Algeria. Snow falling during day in nearly all parts of the United Kingdom, but amounts mostly small. Heavy rain occurring at some of the Italian stations.

Temperature risen quickly over central Russia, and to a less extent over the north of Scotland and the greater part of southern Europe, but fallen elsewhere. Morning readings highest, (1) 52° at Oran, 51° at Algiers, 50° at Nemours, and 48° at Athens and Patras; (2) 39° at Bodö and 37° at Wick. Lowest, - 13° at Kiev, - 8° at Kharkov, and - 8° at Neufahrwasser and Warsaw; below zero in many of the eastern and southern parts of Germany, below 10° over the Netherlands and central France, and below 20° over the south-eastern parts of England. Remaining below 20° all day at some of our south-eastern stations, but gradual rise of temperature spreading northwards from France at night.

8 a.m.

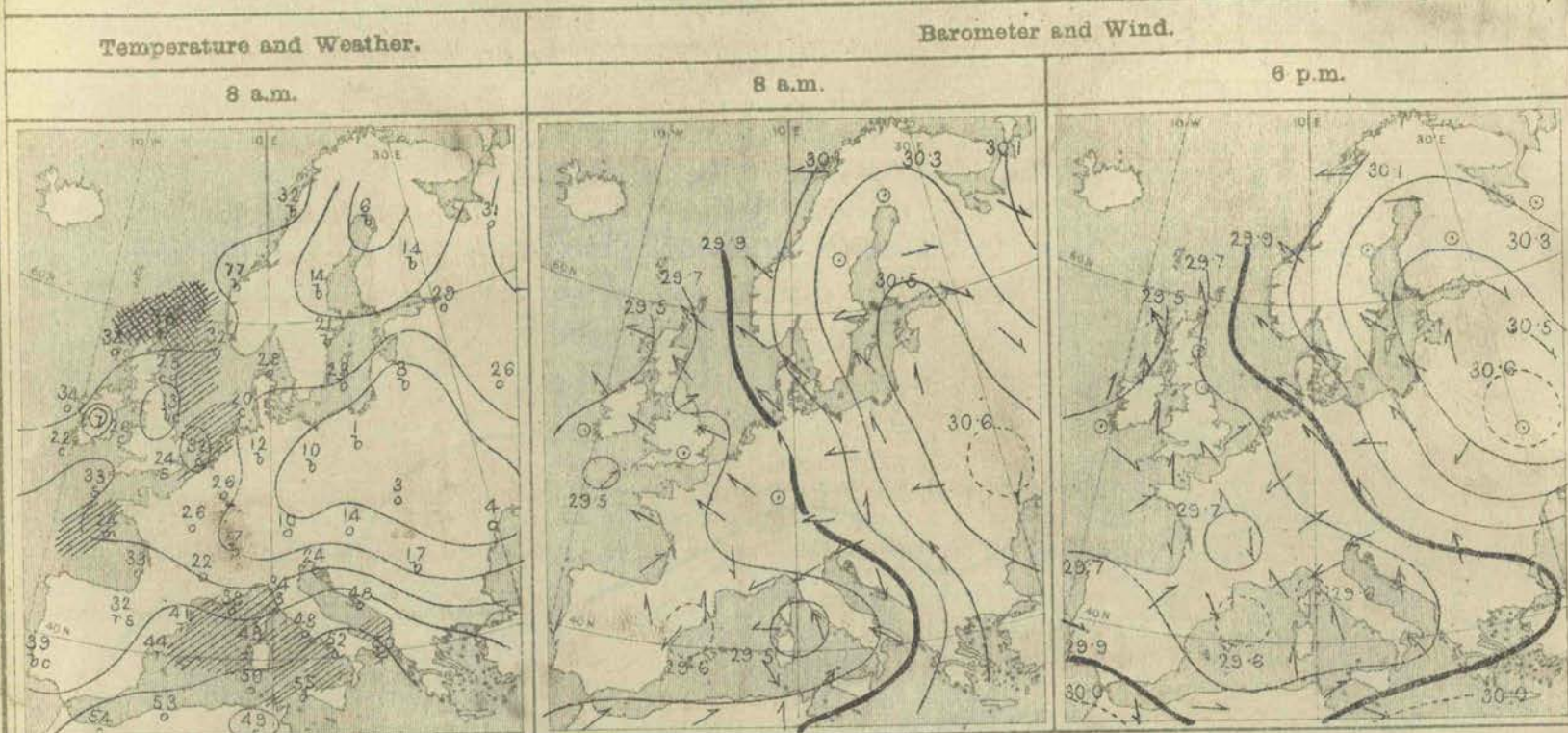


Wind Easterly over the greater part of western and central Europe: strong in force on all our own coasts, with a gale over the Irish Sea and the north of Scotland. Calm in the north of Sweden, but Westerly over the northern and central parts of Russia, and Northerly in the south of that country, as well as at some of the Spanish and Italian stations. Wind subsequently falling moderate over the southern parts of the United Kingdom, but increasing somewhat on our north and north-east coasts: no important change occurring elsewhere.

Barometer highest, 30·7 ins. and upwards over western Russia, 30·5 ins. and upwards in a large area spreading north-westwards across Scandinavia. Lowest, 29·6 ins. in a large shallow depression over the Bay of Biscay and the northern parts of Spain: 29·9 ins. and less over northern Russia. Spanish depression subsequently spreading northwards towards our Islands, and barometer continuing to fall steadily over the whole Kingdom.

6 p.m.

Saturday, 6th January.



Weather fine in Ireland, as well as over the greater part of Scandinavia and north Germany. Cloudy or overcast in nearly all other countries, with snow at several of the English stations, and also at Wick, Bilbao, and Leghorn. Rain falling in the south of France, as well as at Barcelona and Brindisi. Snow occurring during day in many parts of Great Britain, and heavy rain in the south of France, as well as at some of the Austrian and Italian stations. Lightning seen at Prawle Point at night.

Temperature fallen considerably in the west and north of our Islands, and to a less extent in Scandinavia and Finland, but there else-where, quickly in France and Germany. Morning reading highest, 55° at Paris, 50° at Nemours, 45° at Algiers, and 52° at Naples. Lowest, 31° at Nendrum, 28° at Nicolson, 3° at Lemberg, and 4° at Odessa; (2) 7° at Parsons, 12° at York, 18° at Shields, and 17° at Leith; frost prevalent in all localities excepting the Shetlands, Hebrides, and the southern parts of Europe. Rise taking place during day in the south of our Islands, but decided fall in the north; minima in following night as low as 11° at Aberdeen and York, and 12° at Nairn and Cambridge.

Wind Southerly or South-Easterly over the greater part of western and central Europe, but South-Westerly at some of the Irish stations, and variable in the north and east of England. Light from the Westward or North-Westward in Russia; strong from the Eastward or South-Eastward in Italy; light or moderate from the South-Westward in Algeria. Subsequently becoming light and variable in most parts of the United Kingdom; light South-Westerly breezes setting in on the west coast of France.

Westerly breezes being in on the west coast of France. Barometer highest, 30.6 ins. and upwards in a long band stretching from the Black Sea and the south of Russia to the Baltic Provinces. Lowest, 29.5 ins. and less (1) in a large shallow area lying to the north-westward of our Islands; (2) in a small shallow system near Sicily, and (3) in a well-defined depression between the coasts of Italy and Corsica. Small disturbance near Sicily subsequently moving north-eastwards and dispersing; Italian depression also partially filling up, and barometer rising in most parts of western and southern Europe.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b— = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week a large anticyclone covered the whole of western, central, and southern Europe. A deep depression was, however, reported over northern Russia, and, on the 31st December, when this moved southwards, the eastern portion of the high-pressure area gave way, strong North-Westerly or Northerly winds and snow being reported in most of the northern and eastern countries. On the 1st January, a new anticyclone began to form over the northern part of Scandinavia, the system afterwards increasing both in size and height until it embraced the whole of northern and north-western Europe. Easterly and North-Easterly winds now set in over nearly the entire Continent, and, on the 2nd and 3rd, when a well-marked depression was found over Italy, they blew with the force of a gale in some parts of Austria and Germany. The Italian depression appears to have filled up on the 3rd, but on the following day a new and complex disturbance appeared over the Spanish Peninsula, the latter system afterwards moving northwards across the Bay of Biscay and France, and finally covering nearly the whole of the United Kingdom. The advance of this disturbance produced rather steep gradients over our Islands and their immediate neighbourhood, and, on the 4th and 5th, the gales from the Eastward with heavy squalls of snow gradually spread northwards to all our coasts. By the close of the week, however, the wind had veered to the Southward and had subsided, the anticyclone having again filled up over the Continent, and the depression having spread over the British Islands.

At the opening of the period temperature over Europe was fairly high, but with the setting in of the Easterly wind, intensely cold weather gradually spread over the Continent from central Russia, the severe frost reaching England on the 4th, and afterwards spreading westwards and northwards to Ireland and Scotland. The shift of wind to the Southward, which took place at the close of the period, was, however, accompanied by a decided rise of temperature over the Continent and the extreme south of our Islands.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 2.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	4.0	?	8	?	EASTBOURNE	14.5	?	26	?
OSWALDKIRK (Yorkshire)	7.6	?	15	?	TENBY	16.3	?	30 ⁸	?
WORKSOP	9.7	+ 2.3	18	+ 4	NEWQUAY	24.9	?	45	?
THURCASTON (Leicestershire)	9.9	+ 3.9	19	+ 8	TORQUAY	12.8	?	23 ⁸	?
MARGATE	0.0	?	10	?	ARLEY COTTAGE (County Cavan)	5.2	?	10	?
WESTBOURNE (Sussex)	23.6 ⁸	?	42 ⁸	?	GUERNSEY	15.0 ⁸	?	26 ⁸	?
BRIGHTON	20.4	?	37	?					

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

7

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 2.]
Third Series.

WEEK ENDING SATURDAY, 13TH JANUARY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 8.)		Temperature of the Air.													
		Observed during the Week.					Accumulated.								
		Highest.	Lowest.	Averages of			Above or below the Mean for the Week.	For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	8	45.3	34.6	40.2	2 above.	9	+ 1	30	- 3	9	- 6	90	+ 25
	1. SCOTLAND, EAST	55	- 1	42.9	28.9	36.2	1 below.	3	- 5	49	+ 9	3	- 12	120	+ 40
	2. ENGLAND, N.E.	53	6	40.7	29.3	35.2	3 below.	0	- 8	48	+ 11	0	- 15	122	+ 49
	3. ENGLAND, EAST.	53	10	41.3	28.1	35.0	3 below.	0	- 7	49	+ 5	0	- 14	150	+ 64
	4. MIDLAND COUNTIES.	57	13	43.4	32.1	37.9	0 (average)	4	- 5	37	- 7	4	- 14	141	+ 55
	5. ENGLAND, SOUTH	55	15	44.7	33.6	39.4	0 (average)	8	- 2	33	0	8	- 13	132	+ 67
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	53	15	44.8	35.3	40.2	1 above.	8	- 2	26	- 4	8	- 12	88	+ 29
	7. ENGLAND, N.W.	57	16	44.4	33.8	39.3	0 (average)	7	- 1	32	+ 1	7	- 10	107	+ 46
	8. ENGLAND, S.W.	55	8	47.9	37.0	42.7	1 above.	26	+ 11	14	- 9	26	- 4	104	+ 59
	9. IRELAND, NORTH	53	13	45.6	36.1	41.0	1 above.	10	- 4	24	- 2	10	- 17	93	+ 41
	10. IRELAND, SOUTH	55	2	48.7	36.1	42.6	0 (average)	29	+ 9	17	- 3	29	- 11	87	+ 47
	-CHANNEL ISLANDS	53	23	48.4	39.8	44.3	0 (average)	25	+ 3	6	- 4	25	- 21	66	+ 47

DISTRICTS. (See p. 3.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in.	10ths of ins.	9	- 1	1.1	- 1.5	4	- 2	8	- 4	11	+ 3	16	+ 4
	1. SCOTLAND EAST	4	7	1 more.	7	0	1.0	- 0.3	7	- 10	14	- 21	11	- 19	?	?
	2. ENGLAND, N.E.	4	4	1 less.	10	+ 3	0.8	- 0.1	5	- 2	8	- 4	13	- 2	13	- 2
	3. ENGLAND, EAST.	5	3	2 less.	10	+ 3	0.6	- 0.3	8	- 3	14	- 5	15	- 6	14	- 5
	4. MIDLAND COUNTIES.	6	4	1 less.	10	+ 3	0.5	- 0.6	8	0	15	0	18	+ 7	22	+ 7
	5. ENGLAND, SOUTH	5	6	0 (average)	8	+ 1	0.8	- 0.4	10	+ 1	19	+ 2	25	+ 3	20	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	15	2 more.	8	- 1	1.6	- 1.1	8	+ 1	15	+ 2	16	+ 1	14	+ 1
	7. ENGLAND, N.W.	5	7	0 (average)	7	- 1	0.8	- 0.7	12	+ 7	22	+ 13	22	+ 13	25	+ 12
	8. ENGLAND, S.W.	6	13	3 more.	8	0	1.5	- 0.5	14	+ 2	24	+ 4	30	+ 8	24	+ 6
	9. IRELAND, NORTH	6	13	5 more.	8	- 1	1.5	- 0.1	14	+ 4	26	+ 10	22	+ 4	22	+ 5
	10. IRELAND, SOUTH	6	22	13 more.	9	+ 1	2.4	+ 0.5	13	+ 1	23	+ 2	24	+ 1	22	+ 1
	-CHANNEL ISLANDS	7	15	7 more.	9	0	1.8	+ 0.1	14	- 2	24	- 2	33	+ 7	31	+ 6

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued cold and wintry during the first two days of the period, but mild and rainy conditions subsequently spread over the Kingdom from the Atlantic, and remained with us throughout the rest of the week.

Temperature was very low at the opening of the period, but, by Tuesday, a very general and rapid rise had taken place, and during the latter part of the week it was rather high. The average for the week did not differ materially from the means for the time of year taking the Kingdom as a whole, but in England N.E. and E. they were 3° below, and in Scotland N. 2° above. The absolute minima (recorded on the 7th) were so low as -1° in Scotland E. (at Braemar), +2° in Ireland S. (at Waterford), 6° in England N.E., and 8° in England S.W., while elsewhere they varied from 10° in England E., to 16° in England N.W., and to 23° in the Channel Islands. The highest of the maxima were registered on the 12th, when the thermometer rose to 53° in most of the more northern districts, and to 57° over the Midland Counties and England N.W.

Rainfall was rather less than the mean over Scotland N. and the eastern, north-eastern,

and central parts of England, and just equalled the normal in England S. and N.W.; in all other districts there was an excess, that over Ireland and in the Channel Islands being very considerable.

Bright Sunshine exceeded the mean in the "grazing" districts, but showed a deficit in most of the "wheat producing" districts. The percentage of the possible duration ranged from 26 in Ireland N., and 24 in England S.W. and the Channel Islands, to only 8 in Scotland N. and England N.E.

Barometer and Wind.—The anticyclone which had been established in our neighbourhood began to move to the eastward soon after the commencement of the period, and a series of depressions subsequently appeared off our western coasts. These systems did not advance much over us, their centres moving northwards outside the Atlantic coasts of Ireland and Scotland; southerly winds were consequently very general, and frequently increased to the force of a gale at our western stations. The gale experienced in Ireland on the night of the 12th-13th was exceedingly severe.

II.—DATA from which the SUMMARY on page 7 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	32	44.1	38.4	41.4	+ 2.1	6	15	7	0.57	-0.30	*	*	*
	Stornoway	51	26	46.4	36.7	41.7	+ 2.8	12	23	7	0.81	-0.39	3.7	- 2.1	8
	Wick	49	20	43.9	34.3	39.3	+ 1.2	5	30	4	0.60	+0.10	*	*	*
	Lairg	50	8	42.4	30.0	36.5	+ 0.3	1	44	5	0.24	-0.56	*	*	*
	Glencarron	55	23	46.2	31.1	39.0	+ 1.5	12	44	5	0.90	-1.40	*	*	*
	Fort Augustus	53	20	46.6	35.0	41.0	+ 2.3	13	29	5	0.87	-0.19	4.0	?	8
1. SCOTLAND, E.	Fort William	56	25	47.5	36.6	42.3	+ 2.6	25	15	7	2.04	-0.20	4.3	?	?
	Nairn	55	12	46.9	29.6	38.6	+ 1.0	14	49	1	0.03	-0.43	*	*	*
	Aberdeen	48	11	42.6	30.6	36.8	- 1.1	2	42	5	0.98	+0.43	1.2	-10.1	2
	Braemar	46	-1	39.6	28.8	34.4	- 0.4	0	53	7	1.82	+1.13	5.2†	††	12†
	Ochertyre	53	13	45.4	29.7	37.9	- 1.2	10	48	3	0.06	-0.38	*	*	*
	Leith	50	6	39.9	25.7	33.1	- 3.4	0	62	5	0.34	-0.29	6.0	†	12
2. ENGLAND, N.E.	Marchmont	50	6	39.9	25.7	33.1	- 3.4	0	62	5	0.34	-0.29	6.0	†	12
	Alnwick Castle	48	13	39.4	30.7	35.2	- 2.6	0	48	5	0.62	+0.11	*	*	*
	Durham	51	6	39.7	28.2	34.2	- 2.8	0	55	5	0.26	-0.24	5.9	- 3.9	11
	Shields	53	13	42.7	26.7	35.0	- 3.6	2	56	3	0.22	-0.19	*	*	*
	Scarborough	50	18	40.7	30.5	35.3	- 2.8	0	43	3	0.36	-0.10	*	*	*
	York	52	11	42.0	29.9	36.2	- 1.5	0	41	5	0.66	+0.24	5.4	- 0.3	10
3. ENGLAND, E.	Spurn Head	46	20	39.7	29.9	35.0	- 3.3	0	49	4	0.11	-0.21	*	*	*
	Hillington	50	11	40.6	29.6	35.3	- 1.9	0	47	5	0.19	-0.29	7.0	- 2.5	13
	Yarmouth	48	14	40.3	29.0	34.9	- 2.9	0	50	4	0.14	-0.33	*	*	*
	Geldeston	50	10	40.4	27.6	34.3	- 3.0	0	54	4	0.12	-0.26	7.8	- 3.7	14
	Cambridge	53	12	42.6	26.3	34.8	- 2.8	2	58	5	0.33	-0.01	7.9	- 2.7	14
	Rothamsted	52	15	42.8	27.9	35.7	- 1.5	2	52	6	0.51	-0.07	7.2	?	13
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall) .	52	20	42.4	33.7	38.2	+ 0.8	1	30	4	0.30	-0.15	*	*	*
	Loughborough	57	20	44.0	30.7	37.6	- 0.3	6	43	5	0.14	-0.30	*	*	*
	Stamford (Ketton Hall)	53	18	42.6	28.9	36.0	- 1.5	2	48	6	0.24	-0.23	*	*	*
	Cheadle	53	21	41.5	32.3	37.1	+ 0.5	0	34	6	0.49	-0.13	*	*	*
	Churchstoke	53	18	43.1	33.9	38.7	+ 0.7	3	31	6	0.91	+0.24	10.5	+ 0.9	19
	Hereford	52	13	44.8	32.2	38.8	+ 0.2	8	38	6	0.62	+0.06	*	*	*
5. ENGLAND, S.	Cirencester	54	20	44.6	32.6	38.8	+ 1.2	7	36	5	0.34	-0.36	9.6	+ 0.1	17
	Oxford	54	19	43.9	32.1	38.2	- 0.2	5	37	6	0.28	-0.22	9.5	+ 0.9	17
	London	54	18	44.3	30.7	37.8	- 1.4	6	43	5	0.03	+0.14	5.0†	- 0.7†	9†
	North Foreland	51	23	42.7	31.2	37.2	- 1.9	2	39	2	0.04	?	*	*	*
	Strathfield Turgiss . .	51	16	44.1	30.8	37.7	- 0.3	6	42	6	0.72	+0.17	*	*	*
	Dungeness	48	15	43.4	32.0	37.9	- 2.1	4	37	2	0.05	-0.55	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	49	25	44.4	35.7	40.2	+ 0.1	7	25	4	0.65	-0.91	13.3	+ 0.6	24
	Southampton	55	19	45.7	35.8	41.0	+ 1.0	10	26	6	0.92	+0.15	11.1	+ 1.1	20
	Hurst Castle	53	26	46.9	37.0	42.2	+ 1.5	22	14	6	0.97	+0.30	*	*	*
	Stowell	53	22	45.9	35.3	40.8	+ 2.1	11	28	6	0.78	?	*	*	*
	Landale (Loch Snart) .	53	24	46.7	37.1	42.1	+ 1.9	21	14	7	2.25	+0.20	*	*	*
	Glasgow	51	16	43.6	34.0	39.0	+ 0.6	4	31	5	0.68	-0.27	4.3	- 0.2	9
7. ENGLAND, N.W.	Ardrossan	49	18	45.6	34.4	40.2	- 0.2	10	31	6	0.82	-0.15	*	*	*
	Glenlee	49	15	42.0	32.3	37.3	- 0.1	0	33	7	2.67	+0.38	*	*	*
	Douglas (Isle of Man) .	50	28	46.1	38.9	42.6	+ 2.0	17	9	7	1.27	+0.21	10.8	+ 1.9	20
	Stonyhurst	51	16	41.7	32.2	37.1	- 0.9	0	34	6	0.62	-0.35	10.1	+ 3.4	19
	Blackpool	51	18	41.1	31.7	36.6	- 1.7	0	38	5	0.36	-0.33	6.9	+ 0.3	13
	Manchester	54	16	43.2	33.1	38.4	+ 0.4	3	34	5	0.51	-0.24	4.8†	††	9†
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	53	16	44.7	32.2	38.8	- 0.8	8	38	4	0.22	-0.30	*	*	*
	Llandudno	57	25	48.3	37.3	43.0	+ 1.4	27	13	6	0.99	+0.32	24.5	+17.1	45
	Holyhead	50	21	47.4	36.0	41.9	- 0.6	15	26	6	1.76	+0.96	*	*	*
	Llandoverly	53	12	47.9	32.9	40.7	+ 0.4	17	38	6	1.92	+0.70	*	*	*
	Pembroke	50	29	48.1	40.3	44.4	+ 1.5	24	5	7	2.15	+1.27	9.7	- 0.7	18
	Bristol (Montpelier) .	55	18	46.5	34.9	40.9	+ 1.5	13	29	6	0.46	?	*	*	*
9. IRELAND, N.	Arlington (N. Devon) .	55	21	48.4	35.1	42.0	+ 2.3	18	19	6	1.16	+0.08	*	*	*
	Cullompton	54	8	47.7	33.0	40.6	+ 0.6	16	37	6	1.16	+0.38	10.5	+ 2.8	19
	Falmouth	53	25	48.9	42.4	45.8	+ 1.9	27	0	6	1.80	+0.65	15.5	+ 5.1	27
	Plymouth	54	21	48.4	38.9	43.8	+ 1.7	26	9	6	1.37	+0.45	10.8	+ 1.6	19
	Prawle Point	52	26	47.6	38.6	43.3	+ 1.2	23	10	6	0.51	-0.22	*	*	*
	Malin Head	51	23	45.4	36.7	41.2	+ 1.0	10	22	7	0.47	?	*	*	*
10. IRELAND, S.	Londonderry	53	28	45.7	36.5	41.3	+ 1.1	10	23	6	1.31	+0.38	*	*	*
	Edenfel (Omagh) . . .	50	21	44.0	35.3	39.8	+ 0.8	6	26	6	1.66	+0.86	*	*	*
	Belmullet	51	28	46.9	37.1	42.2	- 0.9	22	14	7	1.35	?	*	*	*
	Markree Castle	52	20	45.0	34.5	40.0	+ 0.4	8	30	6	1.82	+0.32	13.3	+ 3.6	25
	Brookeborough	52	25	45.0	37.3	41.3	+ 3.0	8	26	6	1.67	+0.67	*	*	*
	Armagh	53	13	45.4	36.8	41.3	+ 2.3	10	22	6	1.18	+0.32	14.7	+ 5.2	28
CHANNEL ISLANDS	Donaghadee	51	22	47.1	37.6	42.5	+ 2.2	22	12	7	1.35	+0.68	*	*	*
	Edgeworthstown	53	25	45.5	33.0	39.5	+ 0.5	10	36	6	1.17	+0.47	*	*	*
	Dublin	55	19	48.4	38.4	43.6	+ 1.8	26	10	6	1.06	+0.56	23.2	+11.5	43
	Parsonstown	53	7	47.3	31.1	39.5	- 0.5	15	44	6	1.09	+0.38	10.6	+ 0.1	20
	Kilkenny	53	7	48.0	33.6	41.1	0.0	17	36	6	1.71	+0.91	*	*	*
	Waterford	52	2	48.9	33.8	41.7	- 0.7	19	36	7	2.97	+1.95	*	*	*
CHANNEL ISLANDS	Roche's Point	50	21	48.1	37.9	43.2	- 0.5	26	11	6	2.35	+1.12	*	*	*
	Valencia	54	20	50.1	39.0	44.8	- 0.3	32	8	7	2.80	+1.29	3.6	- 8.6	7
	Killarney	54	22	50.2	38.6	44.6	+ 0.9	32	10	6	3.64	?	*	*	*
	Foynes														
	Scilly (St. Mary's) . .	53	32	51.3	42.6	47.1	+ 1.0	36	0	7	1.59	+0.63	*	*	*
	Jersey	51	23	45.4	37.0	41.4	- 0.9	10	21	6	1.43	+0.69	13.4	- 1.3	23

Stations marked *fl* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office, and at the Kew Observatory. For additional Reports of Sunshine see last page.

Sunday, 7th January.

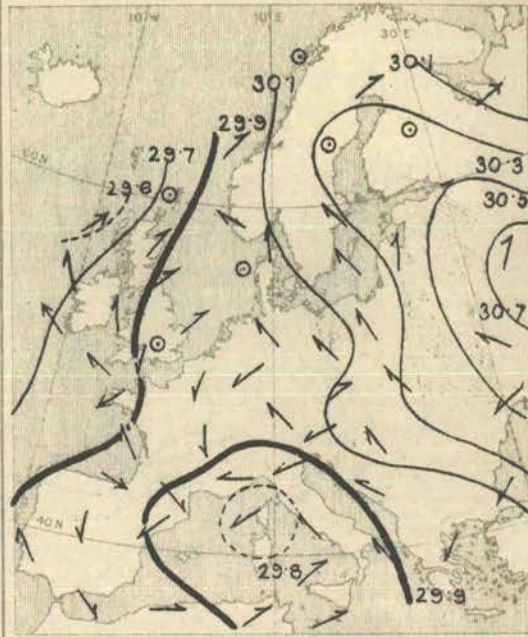
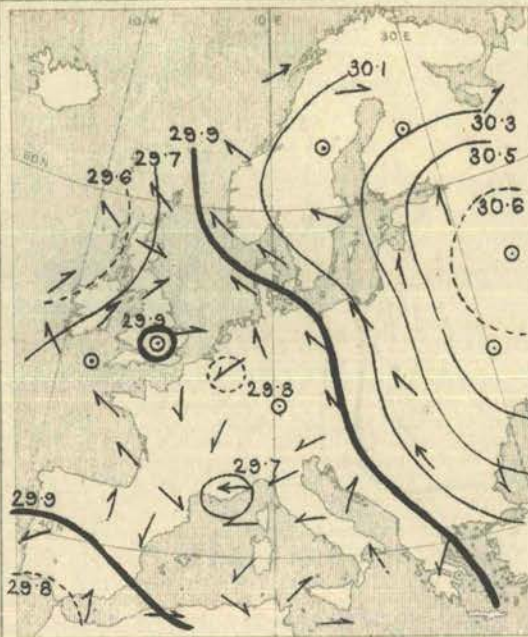
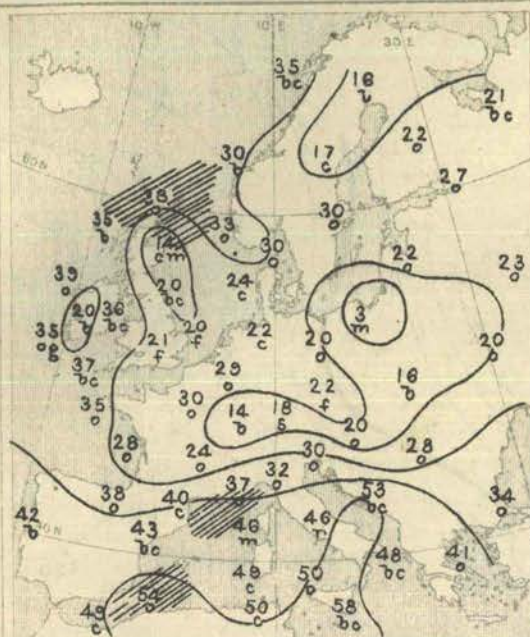
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning very quiet in most places, but dull except in the far north, Scotland, and central Ireland; fog very prevalent over England and the north-east of France, rain falling at Toulon and Rome. Considerable rain over Italy and the Riviera later, and smaller quantities at our own western and northern stations (after a temporary clearance). Thick fog continuing over and around London all day.

Temperature low everywhere, but especially at inland stations. Lowest, (1) 2° Fahr. at Memel, 3° at Neufahrwasser, 10° at Warsaw, 13° at Breslau; (2) 14° at Munich, 17° at Münster, 20° at Berlin and Vienna; (3) 16° at Dungeness, 20° at Parsonstown, 21° at York, Cambridge, and London. Beginning to rise over Ireland later, but remaining very low over the Continent. Maxima, 31° at Paris, 27° at Wiesbaden, 39° at Florence, but 50° at Algiers, 64° at Palermo, 66° at Sfax.

Wind anticyclonic. Moderate South-Easterly over Scandinavia, the Baltic, and central Europe, and also over Ireland and Scotland, light generally elsewhere, and varying in direction. Easterly on the northern, Westerly on the southern, sides of the Mediterranean. The South-Easterly wind becoming rather brisk in Ireland later, but no important change occurring elsewhere.

Barometer highest, 30.6 ins. and more over central Russia, exceeding 30.0 ins. over eastern and northern Europe generally, and exceeding 29.8 ins. over the greater part of England, France, and western Germany. Lowest, below 29.6 ins. over the north-west of our Islands and adjacent parts of the Atlantic, as well as over Italy, and below 29.7 ins. at Toulon. Rising a little in most places later.

Monday, 8th January.

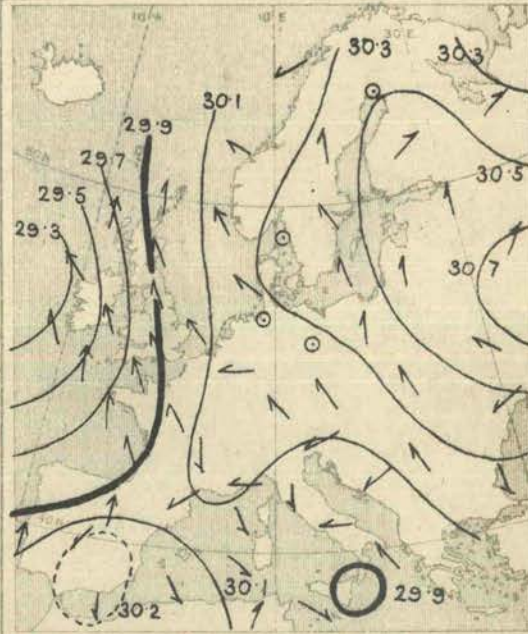
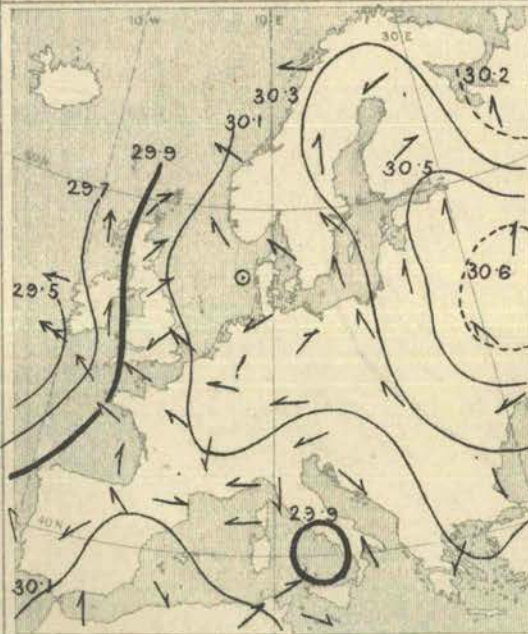
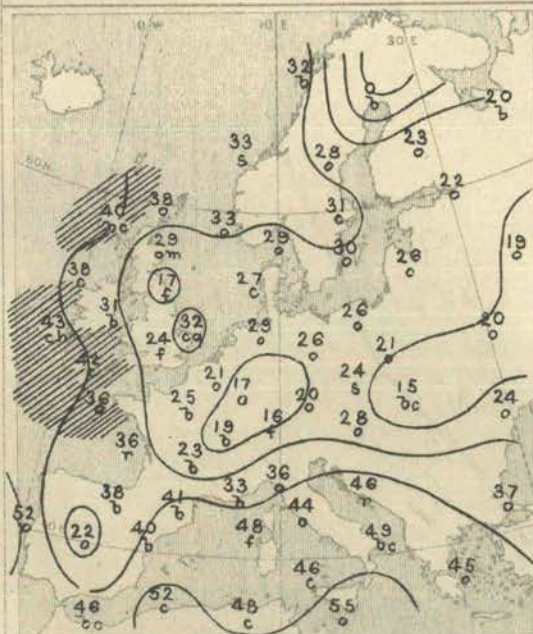
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning very variable; still quiet over eastern, central, and southern Europe—clear in some places, dull in others. Cold and foggy over England, much milder in Ireland, unsettled and rainy at Rochefort. Considerable rain at our western stations during day, and the rainy mild weather spreading eastwards over Great Britain and France, breaking up the frost, and dispersing the fog. Heavy rain in Portugal and also over the shores of the Adriatic.

Temperature rising decidedly in the extreme west, and rise spreading eastwards. Morning readings lowest, (1) 19° to 23° over Russia, 15° to 20° over central Europe, 25° at Paris, 27° at Brussels and the Helder; (2) 17° at Shields, 19° at Cambridge, 22° at York and Loughborough, 24° in London. Rising later to 50° at Scilly, to 45° and more in the south of Ireland, and to between 37° and 39° over the eastern and north-eastern counties of England; remaining very cold over eastern and central Europe.

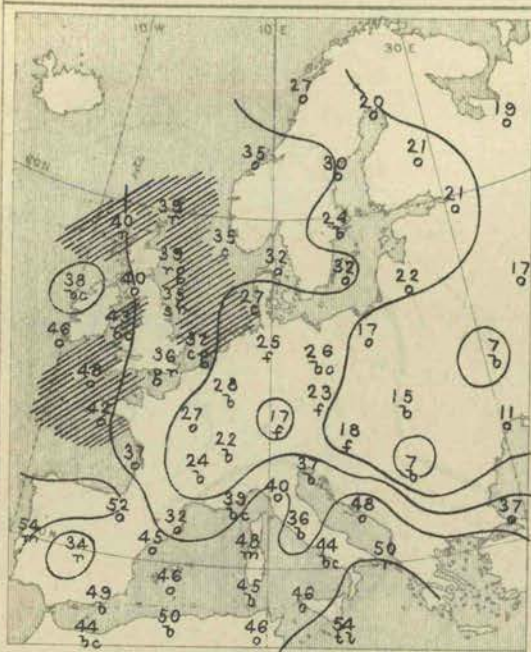
Wind anticyclonic in direction, and light to moderate in force, over the greater part of Continental Europe; South-Easterly to Southerly over the United Kingdom, and beginning to blow hard at several of the south-western stations. Gale becoming strong later and spreading northwards, and wind freshening from South-East at our eastern stations; no great change on the Continent.

Barometer highest, 30.6 ins. and more to 30.3 ins. over Russia, Poland, Finland, and the Gulf of Bothnia, and exceeding 30.1 ins. over western Germany, the eastern parts of France, as well as over England and the North Sea. Lowest, 29.5 ins. and less in a depression off the south-west of Ireland, and below 30.0 ins. over the Adriatic and eastern half of the Mediterranean. Depression in west spreading ("surging") eastwards and moving northwards during day, but Russian anticyclone increasing in intensity.

Tuesday, 9th January.

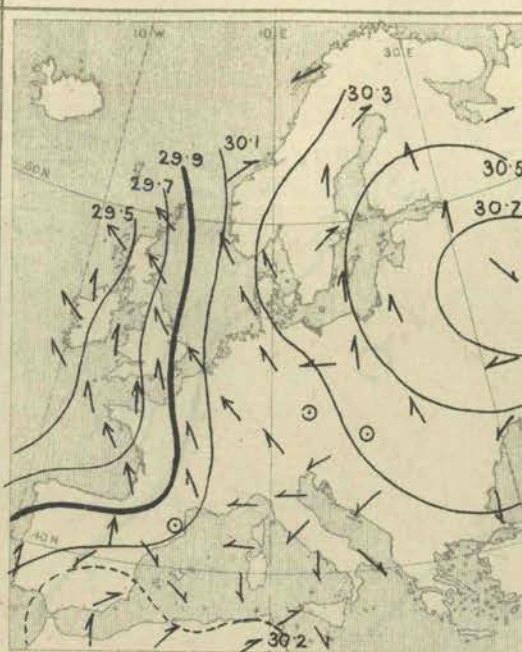
Temperature and Weather.

8 a.m.

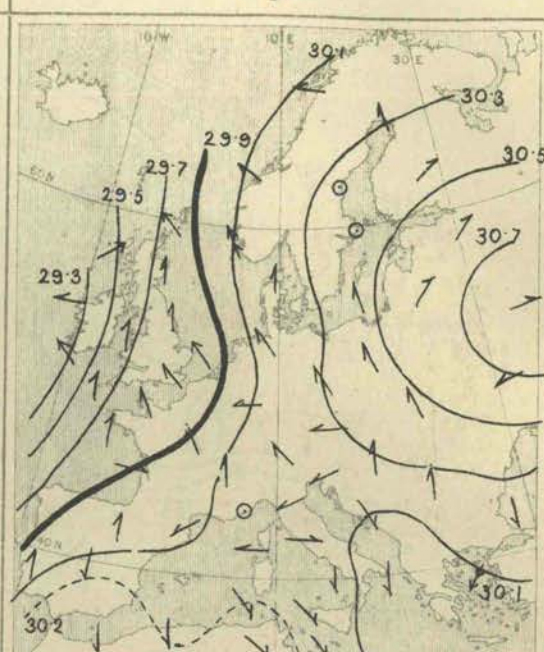


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and quiet over Russia, several parts of the Mediterranean, and the greater part of Ireland; foggy over central Europe; dull elsewhere, and very rainy over Brittany, England, and Scotland; thunderstorm reported at Malta. Rain falling very generally later over the British Islands and France, but amounts not large.

Temperature risen decidedly over the United Kingdom. Morning readings highest, 50° or more at Malta, Algiers, and on the Portuguese coast, 48° at Brest and Scilly, and exceeding 40° on our western coasts generally. Lowest, - 5° at Kharkov, + 6° at Odessa, 7° at Kiev and Hermanstadt, and below 25° over Russia and the south and east of Germany generally; 27° at Paris and Fanò, 28° at Brussels. Changing very irregularly over the western and central countries later, with a definite tendency to rise, but decreasing over Russia.

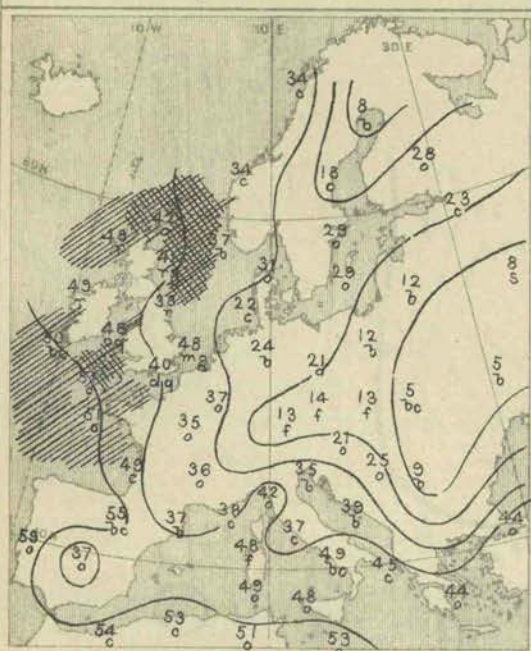
Wind light and anticyclonic over eastern, south-eastern, and central Europe; Southerly to South-Easterly over western Europe, and blowing strongly at many of the British stations. Increasing to a gale in Ireland later, and freshening on our western coasts generally, but showing no decided change at the Russian and Mediterranean stations.

Barometer highest, 30.7 ins. and upwards in a large anticyclone lying over Russia; 30.2 ins. and upwards in another system over Algeria and the south of Spain. Lowest, 29.5 ins. and less in a large and complex depression lying to the westward of our Islands; 30.0 ins. and less in a shallow system lying to the southward of Sicily. Depression in west subsequently moving northwards, but new one approaching the south-west of Ireland in evening.

Wednesday, 10th January.

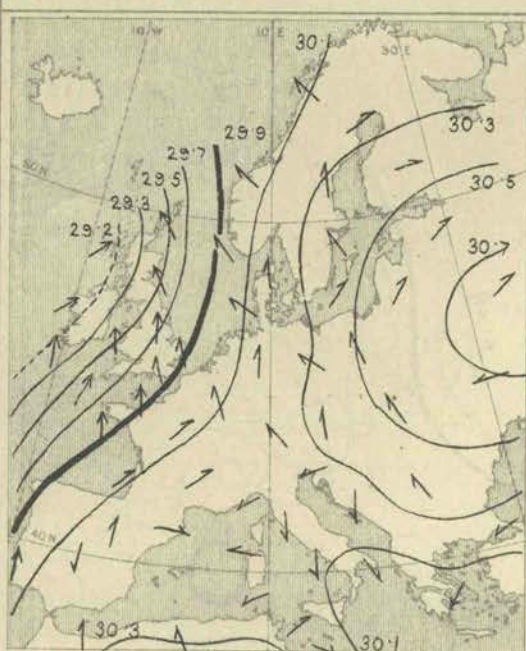
Temperature and Weather.

8 a.m.

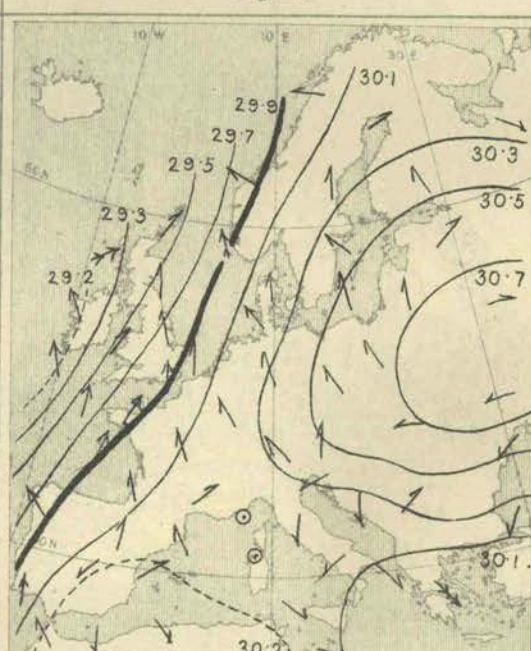


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still very quiet over Russia and central Europe, as well as over the southern parts of France and Spain; changeable and unsettled over the British Islands, the North Sea, and Denmark, rather so over Greece. Rain during the day over the British Islands, Brittany, and the eastern shores of the North Sea, and snow at some Baltic stations; amounts considerable at our western and south-western stations.

Temperature showing further increase in the west, and a decrease in the east. Morning readings lowest, (1) 5° to 9° Fahr. over central Russia and Hungary, 12° at Riga and Memel, 13° at Breslau and Munich; (2) 8° at Haparanda, 18° at Hernösand, 20° at Stockholm. Highest, 59° at Lisbon, 55° at Biarritz, and above 50° at the Algerian stations, at Brest, Scilly, and Valencia (Ireland). Rising later to above 50° at several of our western and northern stations, touching 49° in London, 60° in the south of Italy, and still higher over Algeria.

Wind (1) Southerly all over the British Islands and France, South-Easterly on the eastern shores of the North Sea, strong and squally in most places; (2) light and anticyclonic over eastern and central Europe; (3) Easterly to Northerly over southern Europe and the Mediterranean, and blowing a gale from North-East at Athens. Strong Southerly winds or gales felt in many parts of our Islands later, and spreading to the south-west of Norway. Barometer highest, 30.7 ins. and more to 30.4 ins. over Russia, Poland, eastern Germany, and the Baltic, and exceeding 30.0 ins. at nearly all the Continental stations. Lowest, 29.2 ins. and less in the extreme north-west of Ireland and west of Scotland; gradients rather steep over the British Isles and North Sea. Falling again in the west later, and gradients becoming steep over the Bay of Biscay, as well as the United Kingdom.

Thursday, 11th January.

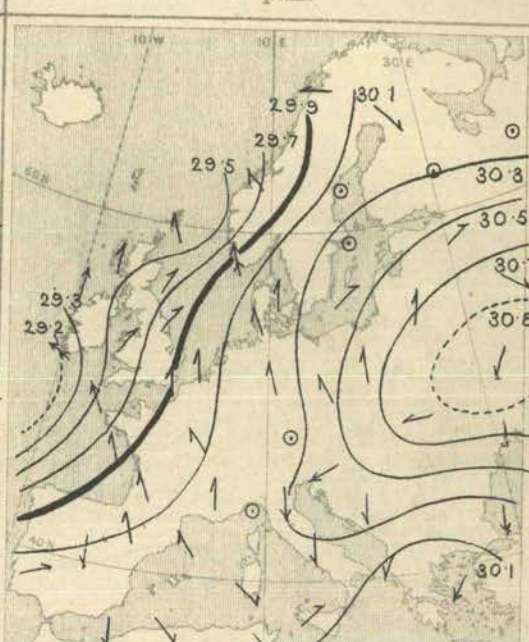
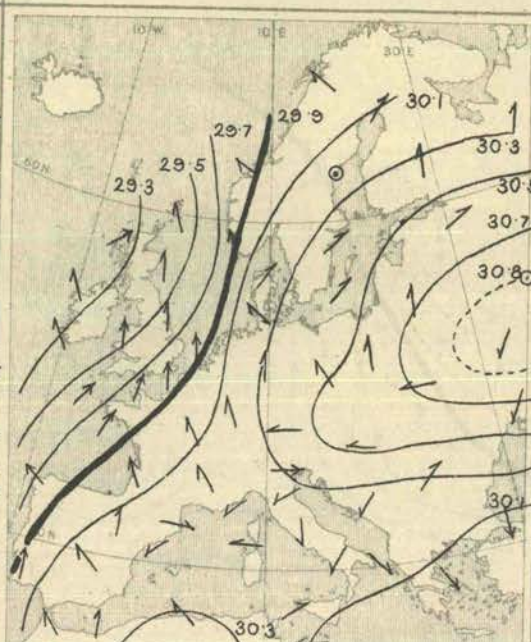
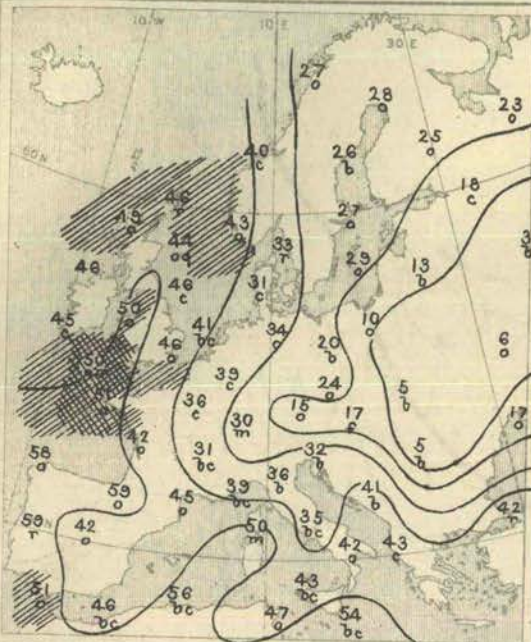
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather cloudy or overcast in most parts of the United Kingdom, with rain at several of the Irish stations and in the Shetlands. Varying greatly on the Continent—cloudy, as a whole, with rain over the Kattegat and at Lisbon—fine at many of the German and south European stations. Heavy rain falling later in the south-west of our Islands and over Brittany, smaller quantities in most other parts of the United Kingdom, France, and Scandinavia.

Temperature fallen in the east and south, risen in most other places. Morning readings highest, 50° at Biarritz and Lisbon, 54° at Malta, 50° on many parts of our own western coasts and at Leith. Lowest, 3° at Moscow and Kharkov, 5° at Lemberg and Hermanstadt, 6° at Warsaw and Kiev; considerably below the freezing point over Russia, Austria, and Germany. Exceeding 50° in many parts of our Islands and France later, and reaching 57° at Loughborough, 61° at Lisbon, and 66° at Biarritz, San Fernando, and Algiers.

Wind fresh or strong from the Southward or South-Eastward over nearly the whole of western and northern Europe (a gale at Donaghadee); light or moderate from the North-Eastward in the south of Russia, and from the Northward in Italy, variable in the south of France. Subsequently increasing to a gale from the South-Eastward in the south-west of our Islands and in the west of Norway, no important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards over central Russia, 30.3 ins. and upwards in an anticyclone covering the whole of eastern and central Europe. Lowest, 29.3 ins. and less to the westward of our Islands; gradients rather steep over England and the North Sea. Important depression subsequently advancing to our extreme south-west coasts, and moving quickly northwards during night.

Friday, 12th January.

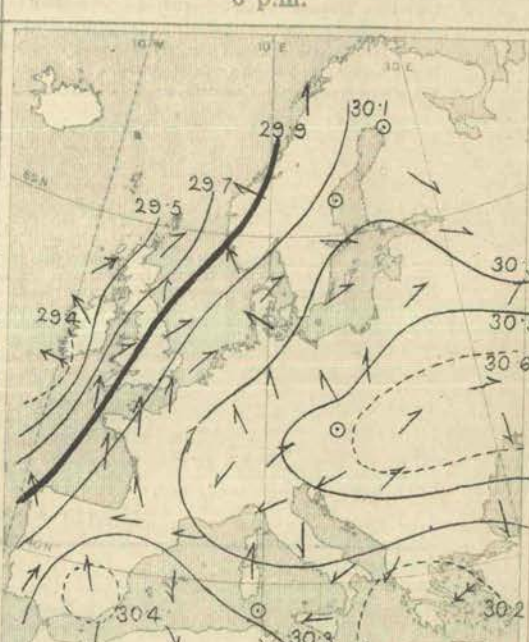
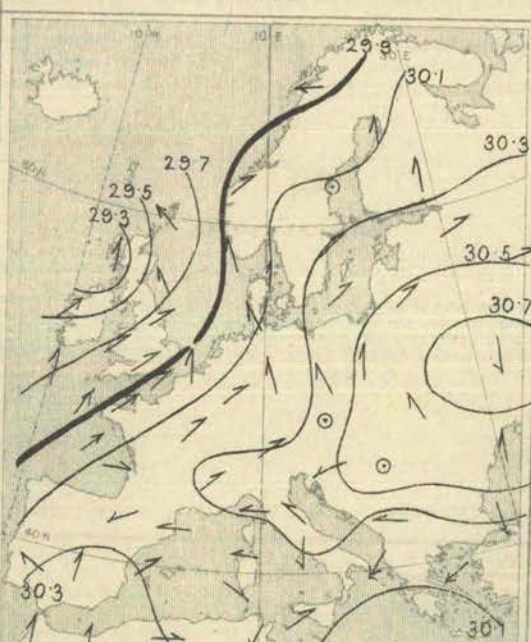
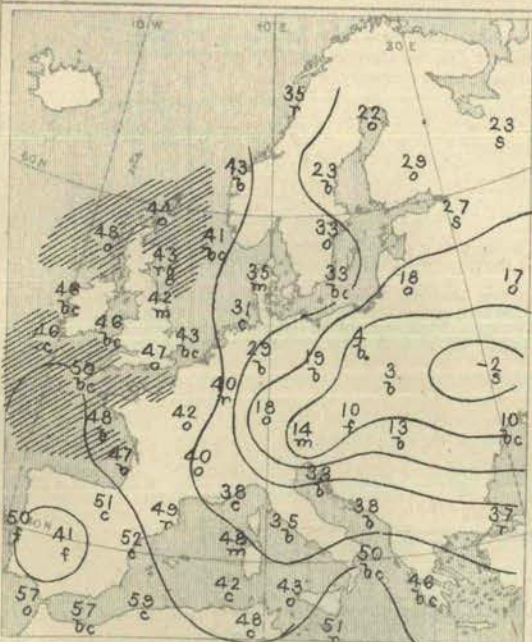
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning remaining very quiet over eastern, central, southern, and south-western Europe—fine and bright at many of the stations, foggy at others, slight snow reported at Kiev; changeable and unsettled over the British Isles and their neighbourhood, as well as over northern Europe, with rain in some places, snow at Archangel and St. Petersburg. Rain later in many parts of our Islands, their neighbourhood, and France—amounts considerable in Ireland and at Bodó, large at Croisette.

Temperature continuing high in the north-west, but showing a further fall over central and eastern Europe. Morning readings exceeding 50° on the southern side of the Mediterranean, touching 50° at the Portuguese stations and Scilly, and above 40° all over our waters; much below the freezing point all over Russia and central Europe. Rising later to 50° or more at most of our own, the western French, and the Italian stations, and touching 61° at Biarritz and Lisbon, and 68° at Nemours and Lagnouat.

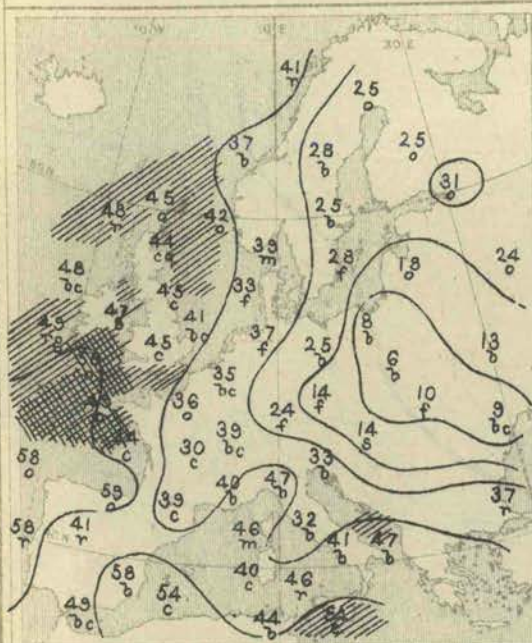
Wind continuing anticyclonic over the greater part of the Continent, but cyclonic South-Westward to South-Eastward over the British Islands and west of Norway, and blowing very strongly on our north-western coasts. Blowing strongly from North-East and East over Greece and the south of Italy. Increasing to a strong gale over the western parts of our Islands later, and blowing very severely in parts of Ireland; freshening considerably over England.

Barometer highest, 30.7 ins. and more over the southern parts of Russia, and exceeding 30.0 ins. almost all over Europe. Lowest, 29.3 ins. and less in a depression off the west of Scotland; gradients steep in the extreme north-west. Falling fast again in Ireland towards evening as a new depression moved northwards over the Atlantic; fall spreading more or less over the Kingdom.

Saturday, 13th January.

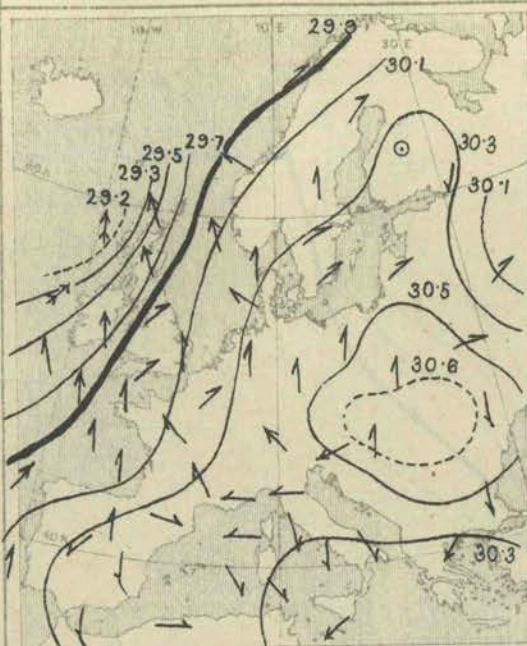
Temperature and Weather.

8 a.m.

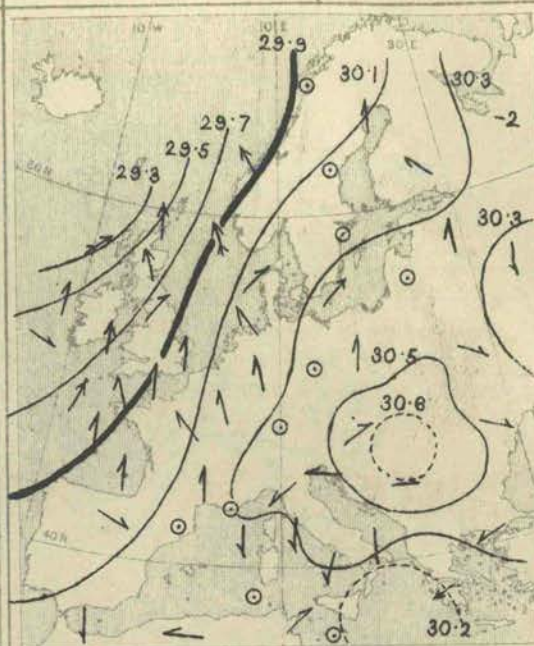


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over many parts of Sweden, Germany, the south of Russia, and at most of the Mediterranean stations, as well as over the northern half of Ireland and several parts of Scotland. Very changeable, however, over the north-western countries as a whole, with rain at times. Rain later over the greater part of our Islands—especially in the west—as well as over Brittany, and some at Palermo.

Temperature highest, 58° at Corunna and Lisbon, 54° at Algiers and Malta, 50° at Selly, 49° in the south of Ireland, at Brest, and Lorient, and above 40° over our Islands generally; lowest, 5° to 13° over the south of Russia, Hungary, Poland, and eastern Germany, rather higher over Austria, north Germany, and northern Russia, 35° at Brussels, 30° at Paris. Rising later to 50° or more in several parts of the United Kingdom, and the west and south of France, and south of Italy, and to 60° and more over Algeria, but hard frost continuing over Austria and Russia.

Wind Southerly over the whole of the Bay of Biscay, the British Islands, the North Sea, and Scandinavia, and blowing hard on the north-western and northern coasts of our Islands—chiefly South-Easterly and light over Germany, anticyclonic over central and eastern Europe, very variable over the Mediterranean. Falling light over the United Kingdom later, but blowing a gale at Skudesnaes.

Barometer highest, 30.6 ins. and more to 30.4 ins. in an anticyclone covering central and south-eastern Europe, and exceeding 30.2 ins. in a "ridge" stretching northwards over the Baltic and Finland. Lowest, (1) below 30.1 ins. over central Russia; (2) below 29.2 ins. off our extreme north-western coasts. Rising in the latter regions during the day, but tending to fall over the Continent generally.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\circ$ = detached clouds; $\bullet$ = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the first two days of this week the anticyclone which had covered Europe for several days gave way on its western side, and a low-pressure area from the Atlantic spread over the British Islands and the western parts of Europe. This change brought about a breaking up of the frost over the latter-named regions, while over central and eastern Europe the cold continued.

Throughout the remaining days of the week pressure remained high over the eastern and central parts of the Continent, low over the Atlantic, and, night by night, depressions travelled from south to north with great rapidity outside our western coasts, causing the South-Easterly and Southerly winds to rise to a gale over Ireland and our western stations generally, and to freshen decidedly in the east. The gales and strong winds were accompanied by a good deal of rain in the west, while the more eastern districts were dry, except at a few places where local disturbances caused falls of considerable intensity at times. The eastern parts of the Continent also were dry as a whole.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 8.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	15.0	?	30	?	EASTBOURNE	10.7	?	19	?
OSWALDKIRK (Yorkshire)	5.3	?	4	?	TENBY	18.6	?	34	?
WORKSOP	3.5	- 4.0	6	- 8	NEWQUAY	19.3	?	35	?
THURCASTON (Leicestershire)	8.8	+ 2.5	16	+ 4	TORQUAY	10.9	?	19	?
MARGATE	6.0	?	12	?	ARLEY COTTAGE (County Cavan)	13.3	?	26	?
WESTBOURNE (Sussex)	15.5	?	28	?	GUERNSEY	14.6	?	25	?
BRIGHTON	9.9	?	18	?					

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 3.]
Third Series.

WEEK ENDING SATURDAY, 20TH JANUARY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 14.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	49	31	45.4	38.1	41.9	3 above.	Day-deg. 10	Day-deg. + 2	Day-deg. 17	Day-deg. - 16	Day-deg. 19	Day-deg. - 4	Day-deg. 107	Day-deg. + 12
	1. SCOTLAND, EAST	52	23	45.8	35.7	40.9	4 above.	11	+ 3	26	- 14	13*	- 10	143*	+ 23
	2. ENGLAND, N.E.	51	32	46.7	37.9	42.5	4 above.	21	+ 14	11	- 27	21	- 1	133	+ 22
	3. ENGLAND, EAST.	54	34	47.7	38.3	43.2	6 above.	24	+ 17	10	- 34	24	+ 3	160	+ 30
	4. MIDLAND COUNTIES.	54	32	48.3	39.5	44.0	6 above.	25	+ 16	7	- 37	29	+ 2	148	+ 18
	5. ENGLAND, SOUTH	51	34	48.4	40.6	44.7	5 above.	23	+ 15	4	- 29	33	+ 2	136	+ 38
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	29	46.6	39.9	43.3	4 above.	18	+ 8	6	- 24	26	- 4	94	+ 5
	7. ENGLAND, N.W.	57	35	48.4	41.4	45.0	5 above.	24	+ 16	2	- 29	31	+ 6	109	+ 17
	8. ENGLAND, S.W.	59	34	49.8	42.7	46.4	5 above.	31	+ 16	0	- 23	57	+ 12	104	+ 26
	9. IRELAND, NORTH	52	32	47.4	39.1	43.4	3 above.	22	+ 8	8	- 18	32	- 9	101	+ 23
	10. IRELAND, SOUTH	55	29	50.0	40.2	45.3	3 above.	31	+ 11	5	- 15	60	0	93*	+ 33
	—CHANNEL ISLANDS	52	43	50.8	46.1	48.6	4 above.	46	+ 25	0	- 10	71	+ 4	66	+ 37

DISTRICTS. (See p. 14.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	16	4 more.	15	0	2.7	- 1.1	3	+ 3	7	+ 5	14	+ 7	16	+ 4
	1. SCOTLAND, EAST	5	7	1 more.	13*	+ 3	1.9*	- 0.1	8	- 3	15	- 6	19	- 22	8	- 15
	2. ENGLAND, N.E.	5	5	1 more.	15	+ 5	1.3	- 0.1	8	+ 2	15	+ 3	21	0	15	0
	3. ENGLAND, EAST.	5	5	1 more.	15	+ 5	1.1	- 0.3	13	+ 3	23	+ 6	28	- 2	18	- 1
	4. MIDLAND COUNTIES.	7	8	3 more.	17	+ 7	1.3	- 0.4	9	0	16	0	27	+ 3	17	+ 2
	5. ENGLAND, SOUTH	6	8	2 more.	14	+ 4	1.6	- 0.3	12	+ 1	20	+ 3	37	+ 4	20	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	20	6 more.	14	+ 1	3.6	- 0.4	5	- 2	10	- 3	20	0	13	0
	7. ENGLAND, N.W.	6	9	2 more.	13	+ 2	1.7	- 0.5	3	- 4	6	- 7	25	+ 9	19	+ 6
	8. ENGLAND, S.W.	6	10	0 (average)	14	+ 2	2.5	- 0.4	11	0	19	0	41	+ 8	22	+ 5
	9. IRELAND, NORTH	6	14	6 more.	14	+ 1	2.9	+ 0.5	6	- 4	12	- 6	28	0	18	0
	10. IRELAND, SOUTH	6	12	2 more.	15	+ 3	3.5*	+ 0.6	11	- 1	20	- 1	35	0	21	0
	—CHANNEL ISLANDS	6	13	5 more.	15	+ 2	3.1	+ 0.7	15	- 1	25	- 2	48	+ 6	23	+ 3

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued mild and unsettled, with very frequent rain, in all parts of the Kingdom. Slight thunderstorms were experienced in the extreme north-west of England, and at some of the Irish stations on the 17th, and in the Scilly Islands on the 20th.

Temperature was above the mean, the excess ranging from 3° over Ireland and in Scotland N., to as much as 5° or 6° over the greater part of England. The highest of the maxima were recorded on somewhat irregular dates, and varied from 59° in England S.W., and 57° in England N.W., to 50° in Scotland W., and 49° in Scotland N. The lowest of the minima were registered during the first half of the week, when they ranged from 23° in Scotland E. to 35° in England N.W., and to 43° in the Channel Islands.

Rainfall just equalled the mean in England S.W., but showed an excess in all other districts, that in the extreme north and north-west and in the Channel Islands being rather large.

Bright Sunshine did not differ materially from the mean over the Kingdom as a whole. The percentage of the possible duration ranged from 25 in the Channel Islands, 23 in England E., and 20 in England S. and Ireland S., to only 7 in Scotland N. and 6 in England N.W.

Barometer and Wind.—During the whole of this period depressions passed in a north-easterly direction over or just outside our extreme north-western and northern coasts, while secondary disturbances occasionally passed over the more southern parts of the Kingdom. South-Westerly to Westerly winds were consequently very general; at times they blew very strongly, attaining the force of a gale in the south-western or southern parts of the Kingdom on the 15th, and in the west and south on the 19th.

II.—DATA from which the SUMMARY on page 13 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	46	37	44.4	39.3	42.0	+ 2.6	7	8	7	1.42	+0.57	*	*	*	*
	Stornoway	48	35	45.1	37.4	41.3	+ 2.3	9	19	7	0.96	-0.24	8.5	+ 2.3	17	+ 5
	Wick	45	36	44.9	38.4	41.8	+ 3.7	8	16	6	0.74	+0.28	*	*	*	*
	Lairg												*	*	*	*
	Glencarron												*	*	*	*
	Fort Augustus	49	31	45.9	36.1	41.2	+ 2.3	11	25	5	1.43	+0.38	0.5	?	1	?
1. SCOTLAND, E.	Fort William	49	36	46.5	39.3	43.0	+ 3.3	18	8	7	3.48	+1.23	0.9	?	2	?
	Nairn	50	28	46.6	34.3	40.7	+ 3.0	13	32	6	0.34	-0.10	*	*	*	*
	Aberdeen	49	32	45.7	35.9	41.0	+ 3.0	10	25	4	0.25	-0.27	9.1	- 3.1	18	- 6
	Braemar	46	23	42.2	32.8	37.7	+ 2.9	1	34	4	1.05	+0.35	6.3†	?	12†	?
	Ochtertyre	49	29	46.3	35.9	41.3	+ 4.6	12	26	4	1.37	+0.49	*	*	*	*
	Leith	52	31	48.3	38.0	43.4	+ 4.1	27	11	4	0.30	-0.14	*	*	*	*
2. ENGLAND, N.E.	Marchmont	48	30	45.7	37.0	41.5	+ 4.9	19	21	6	0.74	+0.14	8.3	?	16	?
	Alnwick Castle	49	34	45.7	38.4	42.2	+ 4.2	17	10	6	0.62	+0.14	*	*	*	*
	Durham	49	34	46.6	37.1	42.0	+ 4.9	13	14	5	0.31	-0.16	11.0	+ 0.9	20	+ 2
	Shields	50	32	47.4	37.4	42.6	+ 3.7	24	13	4	0.29	-0.11	*	*	*	*
	Scarborough	49	35	47.3	37.5	42.6	+ 3.8	23	13	4	0.61	+0.17	*	*	*	*
	York	51	38	48.3	40.0	44.3	+ 6.4	25	6	6	0.61	+0.19	8.5	+ 2.2	15	+ 4
3. ENGLAND, E.	Spurn Head	48	35	44.7	37.0	41.0	+ 2.8	8	20	5	0.53	+0.23	*	*	*	*
	Hillington	51	35	47.2	39.4	43.5	+ 6.3	21	7	6	0.81	+0.39	16.3	+ 6.3	29	+12
	Yarmouth	50	35	45.7	37.0	41.5	+ 3.6	19	21	6	0.35	-0.09	*	*	*	*
	Geldeston	52	36	48.1	39.7	44.1	+ 5.7	24	6	4	0.30	-0.06	11.5	- 0.6	20	- 1
	Cambridge	54	34	49.4	37.6	43.7	+ 6.0	30	12	5	0.50	+0.15	15.5	+ 4.4	27	+ 8
	Rothamsted	51	34	47.9	38.0	43.2	+ 5.8	25	11	6	0.70	+0.12	9.4	?	16	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	50	37	48.1	40.6	44.5	+ 6.8	23	4	7	0.62	+0.20	*	*	*	*
	Loughborough	54	36	48.9	39.9	44.6	+ 6.6	27	6	7	0.65	+0.20	*	*	*	*
	Stamford (Ketton Hall)	53	35	48.3	38.3	43.5	+ 5.8	26	10	6	0.64	+0.22	*	*	*	*
	Cheadle	49	33	46.7	38.6	42.3	+ 6.1	20	10	7	1.16	+0.56	*	*	*	*
	Churchstoke	51	35	48.6	39.9	44.4	+ 6.2	26	6	7	1.10	+0.44	5.4	- 4.8	10	- 8
	Hereford	52	33	48.1	39.5	44.0	+ 5.3	25	7	6	0.88	+0.31	*	*	*	*
5. ENGLAND, S.	Cirencester	52	32	48.3	39.0	43.8	+ 6.0	25	8	6	1.00	+0.30	5.4	- 4.9	10	- 8
	Oxford	52	35	49.1	40.0	44.7	+ 6.0	27	6	6	0.57	+0.06	11.1	+ 1.9	19	+ 3
	London	51	37	49.3	39.7	44.7	+ 5.5	29	6	61	0.87	+0.38	9.1†	+ 3.0†	16†	+ 7†
	North Foreland	50	38	47.9	39.7	44.0	+ 4.7	24	6	5	0.42	?	*	*	*	*
	Strathfield Turgiss	50	34	48.0	39.5	43.9	+ 5.7	24	7	7	0.84	+0.28	*	*	*	*
	Dungeness	48	39	47.6	41.4	44.6	+ 4.6	21	2	5	0.58	-0.01	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	49	37	48.0	40.4	44.4	+ 4.3	24	4	5	1.13	+0.49	10.2	- 2.8	18	- 4
	Southampton	51	38	49.5	41.9	45.9	+ 5.9	28	0	6	1.08	+0.33	12.8	+ 2.4	22	+ 4
	Hurst Castle	51	39	48.4	42.3	45.5	+ 4.8	25	0	6	0.80	+0.12	*	*	*	*
	Stowell	50	35	48.3	39.7	44.2	+ 5.5	25	6	6	0.68	?	*	*	*	*
	Laudale (Loch Sunart)	50	36	46.9	39.2	43.2	+ 2.9	20	8	7	3.89	+1.87	*	*	*	*
	Glasgow	48	36	46.0	38.7	42.5	+ 3.9	17	9	5	1.21	+0.26	3.2	- 2.0	6	- 3
7. ENGLAND, N.W.	Ardrossan	47	39	46.7	42.0	44.4	+ 3.9	17	0	6	1.04	+0.06	*	*	*	*
	Glenlee	47	29	45.3	37.5	41.6	+ 4.1	9	19	7	2.31	+0.53	*	*	*	*
	Douglas (Isle of Man)	49	39	47.8	41.9	45.0	+ 4.5	21	0	5	1.31	+0.26	7.3	- 1.9	13	- 4
	Stonyhurst	48	39	46.3	40.4	43.5	+ 5.4	17	4	7	1.59	+0.67	1.6	- 5.7	3	-10
	Blackpool	50	35	48.2	40.6	44.6	+ 6.3	24	4	5	0.90	+0.22	4.3	- 2.9	8	- 5
	Manchester	51	35	47.8	39.7	43.9	+ 5.9	23	6	7	1.14	+0.42	2.1†	?	4†	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	51	36	48.4	41.6	45.1	+ 5.4	23	1	5	0.41	-0.08	*	*	*	*
	Llandudno	57	38	51.5	42.7	47.3	+ 5.7	37	0	6	0.67	+0.03	5.0	- 3.4	9	- 6
	Holyhead	49	40	48.0	43.3	45.7	+ 3.5	26	0	4	0.74	-0.03	*	*	*	*
	Llandovery	59	36	50.6	40.9	45.9	+ 5.5	32	3	7	1.44	+0.24	*	*	*	*
	Pembroke	49	43	48.1	44.9	46.6	+ 3.9	32	0	6	1.54	+0.69	13.3	+ 2.3	23	+ 3
	Bristol (Montpelier)	53	39	50.2	43.1	46.8	+ 7.4	34	0	6	1.05	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	50	36	48.0	40.7	44.5	+ 4.9	23	4	7	1.21	+0.21	*	*	*	*
	Cullompton	55	34	51.0	41.5	46.4	+ 6.3	33	1	6	0.47	-0.30	6.0	- 2.3	10	- 4
	Falmouth	52	37	50.9	43.9	47.5	+ 3.6	39	0	7	0.82	-0.41	12.9	+ 2.1	22	+ 4
	Plymouth	51	35	50.5	42.5	46.7	+ 4.6	33	0	6	0.87	-0.05	8.7	- 1.3	15	- 2
	Prawle Point	50	40	49.0	43.9	46.6	+ 4.6	32	0	6	0.55	-0.16	*	*	*	*
	Malin Head	48	37	46.6	40.6	43.7	+ 3.2	13	4	6	0.84	?	*	*	*	*
10. IRELAND, S.	Londonderry	49	33	47.7	39.1	43.6	+ 3.4	25	3	7	1.65	+0.73	*	*	*	*
	Edenfel (Omagh)	49	32	45.9	37.6	41.9	+ 2.8	11	19	6	1.59	+0.79	*	*	*	*
	Belmullet	50	39	48.3	42.0	45.3	+ 2.2	23	0	7	2.40	?	*	*	*	*
	Markree Castle	52	33	48.3	38.3	43.5	+ 3.5	26	10	7	1.72	+0.34	6.8	- 3.4	12	- 5
	Brookeborough	50	34	47.3	38.3	43.0	+ 4.4	23	10	6	1.36	+0.36	*	*	*	*
	Armagh	50	35	47.7	39.2	43.6	+ 4.4	23	8	6	0.89	+0.24	5.3	- 4.8	10	- 7
CHANNEL ISLANDS	Donaghadee	49	33	47.3	38.7	43.2	+ 2.9	22	9	5	0.89	+0.22	*	*	*	*
	Edgeworthstown	50	33	47.7	38.2	43.1	+ 3.9	24	11	5	1.33	+0.65	*	*	*	*
	Dublin	54	36	50.6	40.9	45.9	+ 4.0	32	3	5	0.53	+0.03	10.4	- 1.6	19	- 3
	Parsonstown	52	34	49.3	38.9	44.2	+ 4.0	23	9	5	0.99	+0.29	13.2	+ 2.1	24	+ 4
	Kilkenny	52	29	49.0	37.6	43.5	+ 2.3	29	12	5	0.77	-0.03	*	*	*	*
	Waterford	51	31	49.1	38.7	44.1	+ 1.3	29	9	5	1.39	+0.35	*	*	*	*
CHANNEL ISLANDS	Roche's Point	52	37	50.3	42.4	46.5	+ 2.7	32	0	6	1.00	+0.24	*	*	*	*
	Valencia	53	34	51.0	42.6	47.0	+ 1.9	35	0	7	1.56	+0.06	10.2	- 3.0	18	- 4
	Killarney	55	31	50.9	40.0	45.7	+ 1.9	34	6	7	2.10	?	*	*	*	*
	Foynes	?	38	?	42.6	?	?	?	?	7	0.99	?	*	*	*	*
	Scilly (St. Mary's)	52	46	51.0	47.3	49.2	+ 3.1	50	0	5	0.63	-0.22	*	*	*	*
	Jersey	52	43	50.6	44.9	47.9	+ 5.7	41	0	7	1.88	+1.17	13.8	- 1.3	23	- 2

Stations marked $\mathcal{M}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

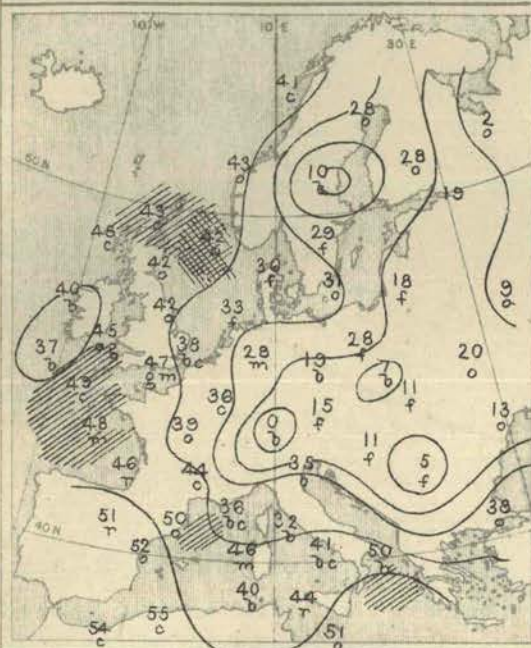
† The Sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

‡ The corresponding value in last week's report should read "4" instead of "5."

Sunday, 14th January.

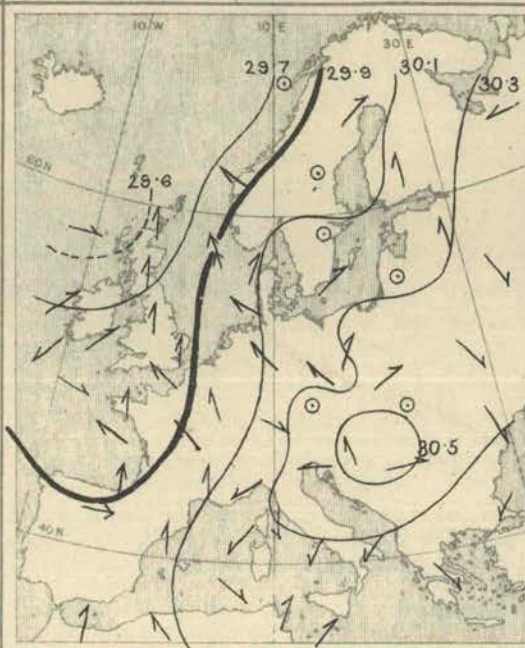
Temperature and Weather.

8 a.m.

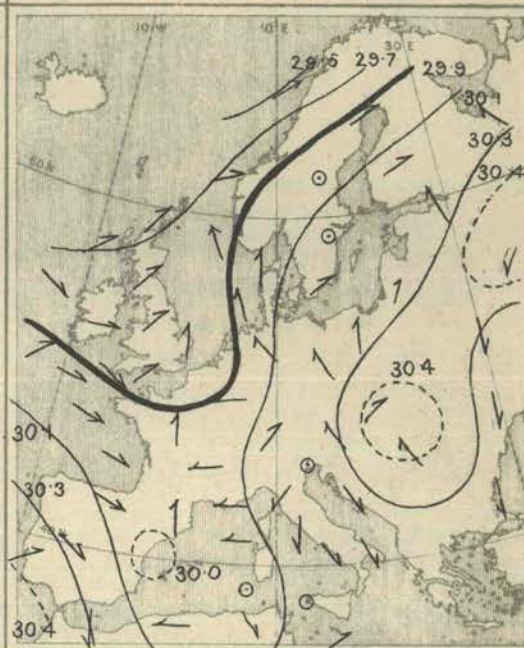


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine in Ireland and the north of Scotland, but dull over other parts of the United Kingdom, with fog and rain at many of the English stations. Dull over a considerable portion of the Continent, with fog in Denmark, Austria, and south Germany, and with rain in the west of France, as well as at Palermo. No important change occurring over our Islands during day; but sky clearing in the west of Norway. Heavy rain falling at many of the French stations, the largest amount being 0.9 ins. at Cape Bearn.

Temperature fallen in our Islands and also over Germany and the Netherlands, but risen in most other countries. Morning readings highest, 55° at Algiers, 54° at Oran, and 52° at Barcelona, above 45° in the west of France and the extreme south-west of England, as well as in the Hebrides. Lowest, 0° at Munich, 2° at Archangel, 5° at Hermanstadt, 7° at Warsaw, and 8° at Moscow, considerably below the freezing point in most parts of Russia, Austria, and Germany, and as low as 17° at Pesaro, and 25° at Florence. Daily maxima over our Islands ranging in most places between 45° and 50°, but not exceeding 40° on the east coast of England. Frost occurring in Scotland at night.

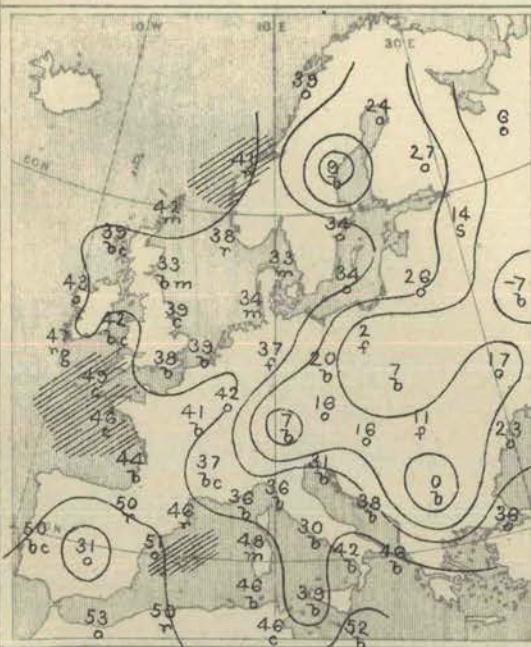
Wind Southerly or South-Easterly over the greater part of western and central Europe, but Westerly in the extreme south-west of our Islands. Light from the Northward or North-Westward over the central and southern parts of Russia; variable in Austria; North-Easterly in Italy and the south of France; South-Easterly in Algeria. Subsequently veering to the West or North-West on many parts of our western coasts, and also in the west of France; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over Austria; 30.3 ins. and upwards in an anticyclone covering the greater part of Russia and Austria. Lowest, 29.6 ins. and less in a depression lying off the north of Scotland; shallow secondary disturbances reported over various parts of our Islands and the Bay of Biscay. Secondary systems subsequently moving eastwards, and partially filling up; barometer rising in most parts of western Europe.

Monday, 15th January.

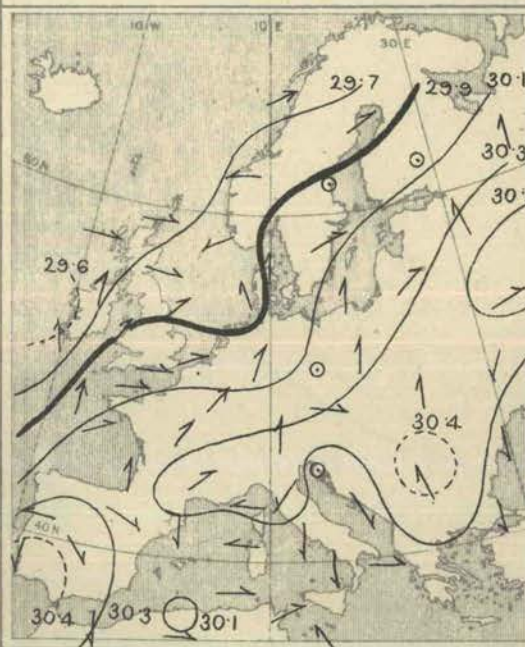
Temperature and Weather.

8 a.m.

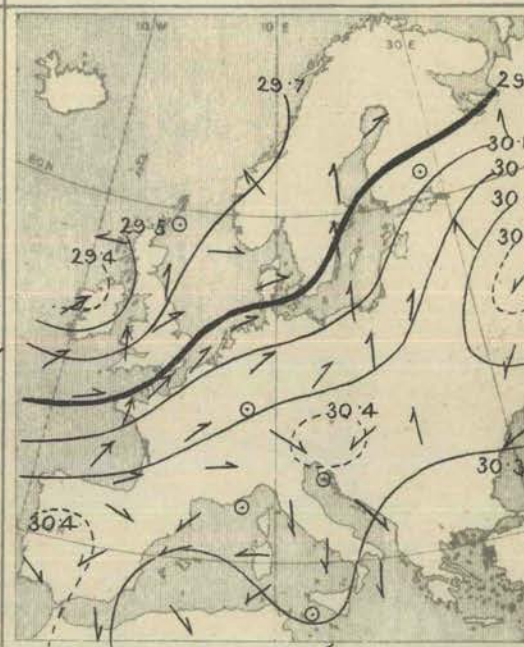


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over Great Britain, France, and Italy, as well as at some of the German stations. Cloudy elsewhere, with rain in the south of Ireland and also in the west of Norway and the south of France; snow falling at St. Petersburg and Vienna. Rain falling later over nearly the whole of western Europe, the amounts being large at some of the Irish stations. Solar halo seen at Hurst Castle and lunar halos at Wick, Belmullet, and in London.

Temperature risen in Ireland, and also over Germany and the Netherlands, but fallen elsewhere. Morning readings highest, 53° at Algiers, 52° at Oran, 51° at Barcelona, and 50° at Biarritz, Lisbon, and Algiers; above 45° in the south-west of our Islands generally. Lowest, 7° Fahr. at Moscow, 4° at Kharkov, 0° zero at Hermanstadt, and + 2° at Neufahrwasser; considerably below the freezing point in most parts of Russia, Germany, Austria, and also in central Sweden, and very little above it in the east of Scotland. Subsequently rising to between 45° and 50° over the greater part of our Islands; exceeding 55° over the southern parts of Spain and Italy.

Wind moderate to fresh from the Southward in the west of our Islands, but light from the Westward or South-Westward in all other parts of the United Kingdom. Southerly in Germany, Denmark, Sweden, and Finland; Easterly in the west and south of Norway. Light from the Northward in the south of Russia, variable in Austria and Italy, North-Easterly in Spain and the south of France, light from the Westward in Algeria. Subsequently increasing to a moderate or fresh gale from the Southward on some parts of our south and south-west coasts, but veering to the South-West later and subsiding.

Barometer highest, 30.5 ins. and upwards over central Russia, 30.3 ins. and upwards in a long band extending from Russia and Austria to northern Italy and the south of France, 30.4 ins. and upwards in another anticyclone over Portugal. Lowest, 29.6 ins. and less in a depression off the west of Ireland. Gradients rather steep over our south-west coasts. Depression in west subsequently moving northwards, but small secondary disturbances advancing north-eastwards over England.

Tuesday, 16th January.

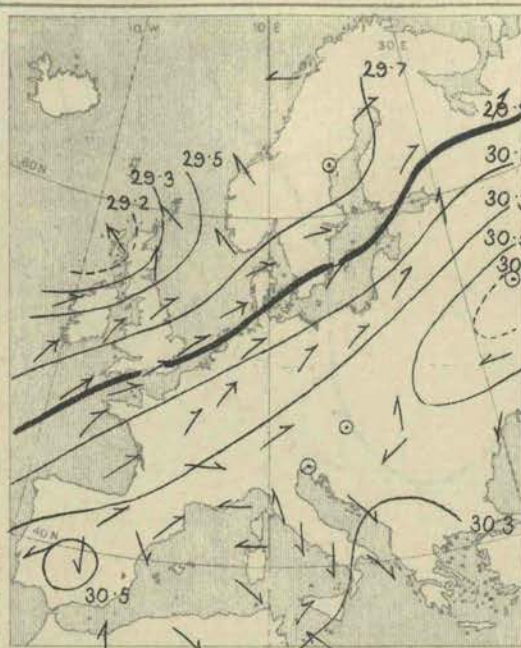
Temperature and Weather.

8 a.m.

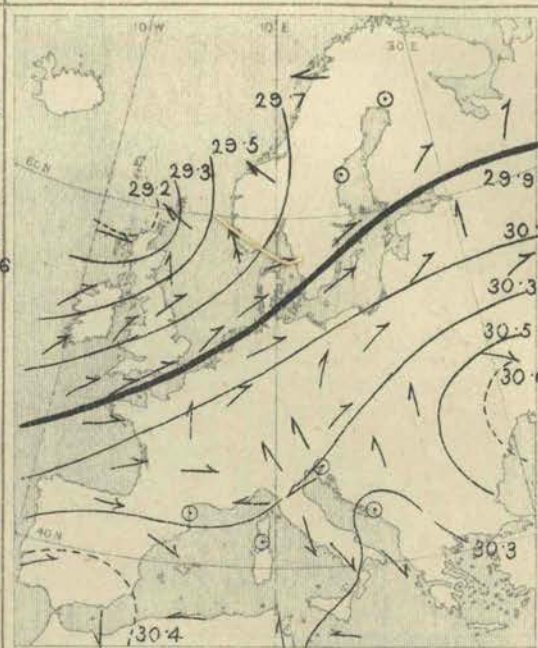


Barometer and Wind.

8 a.m.



6 p.m.



Weather dull over the greater part of our Islands and the Continent, with rain in the north of Scotland and the west of Norway, as well as over north Germany and the south-west of Russia. Snow falling at Haparanda, Helsingfors, and St. Petersburg, and fog prevailing at some of the Baltic stations. Fine and bright over Italy and the south of Russia, as well as in some parts of Germany. Rain falling over the whole of our Islands during day—heavily at one or two of the western stations. Lunar halos seen at Spurn Head and Ardrossan.

Temperature risen in most countries—quickly over eastern Germany. Morning readings highest, (1) 57° at Corunna, and 54° at Algiers; (2) 51° at Valencia (Ireland), and 50° at Roche's Point and Scilly; above 45° in all the more western parts of the United Kingdom. Lowest, -4° Fahr. at Moscow, -3° at Kharkov, -2° at Kiev, and +2° at Nicolaieff, considerably below the freezing point over nearly the whole of Russia and Austria, as well as over northern Italy. Rising during day to 50° or a little above it in many parts of the United Kingdom and France, and reaching 57° at Lisbon, Barcelona, and Malta.

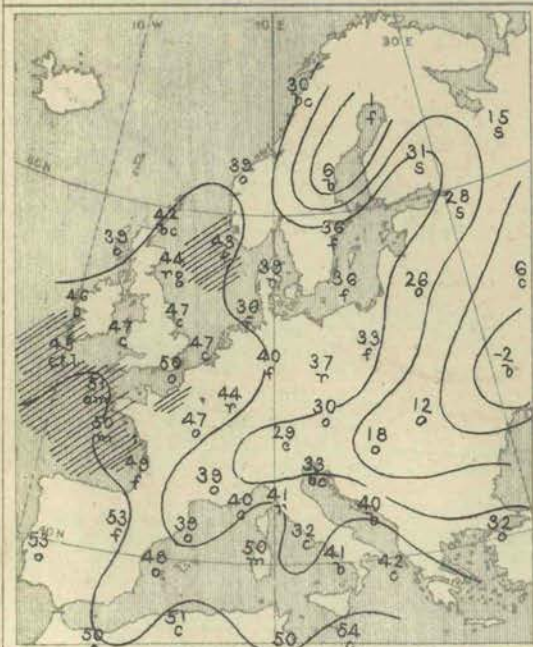
Wind light to fresh from the Southward or South-Westward over the greater part of western, northern, and central Europe, but South-Easterly or Easterly in the north of Scotland and the west of Norway. Light from the North-Eastward in the south of Russia, and from the Northward over Italy and the central parts of Spain. Variable in Algeria and the south of France. No important change occurring during day, but Southerly gale reported at Skudesnaes in evening.

Barometer highest, 30.6 ins. and upwards over central Russia; 30.5 ins. and upwards over central Spain, 30.3 ins. and upwards over nearly the whole of southern and eastern Europe. Lowest, 29.2 ins. and less in a depression lying off the north-west of Scotland. Depression subsequently moving north-eastwards, but barometer falling during day in nearly all parts of western Europe. High-pressure system over Russia moving southwards.

Wednesday, 17th January.

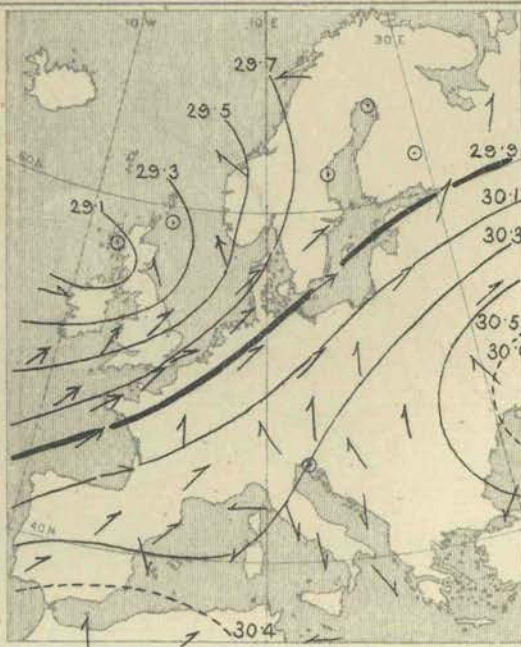
Temperature and Weather.

8 a.m.

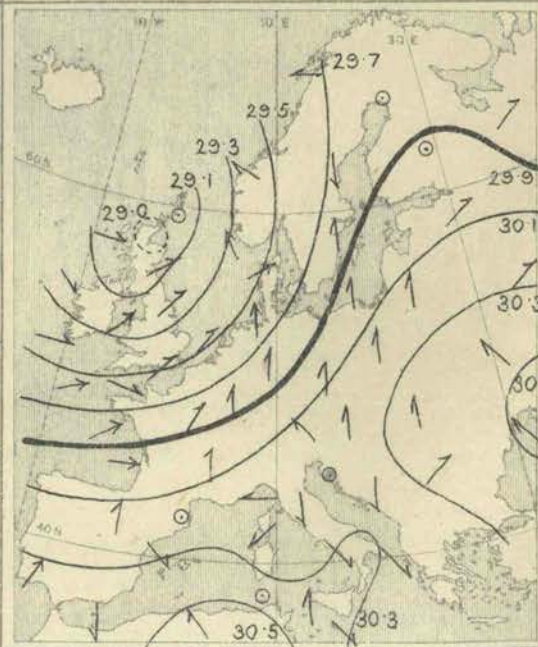


Barometer and Wind.

8 a.m.



6 p.m.



Weather cloudy or overcast in nearly all parts of our Islands and the Continent, with rain at several of our own stations, as well as at Skagen, Brussels, and Leghorn, and with snow over northern Russia. Fog very prevalent over Holland, Denmark, the south of Sweden, and the south-west of France. Sky clear in the south of Russia, and also in some parts of Italy and Austria. Rain falling during day over nearly the whole of western Europe—heavily in Belgium and the west of France. Thunderstorm experienced at Roche's Point in morning; lunar halos seen at several of the English stations.

Temperature fallen a little in the north-west of our Islands and rapidly in Sweden, but risen in most other localities. Morning readings highest, (1) 54° at Malta, 53° at Biarritz and Lisbon, and 51° at Algiers; (2) 51° at Scilly (ranging between 45° and 50° at most of the English and Irish stations). Lowest, -15° Fahr. at Kharkov, -2° at Kiev, +1° at Haparanda, and 6° at Helsingfors and Moscow, below the freezing point in several parts of Germany and Austria, as well as over northern Italy. Rising during day to between 50° and 54° in many parts of England, Ireland, and France, and reaching 57° at Lisbon.

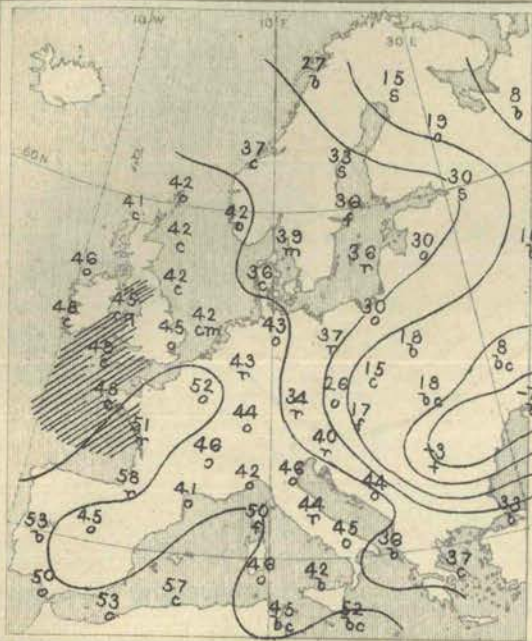
Wind moderate to strong from the South-Westward over England, Ireland, and France, from the Southward over Denmark, Germany, and the Netherlands, and from the South-Eastward in the west of Norway. Variable over the central and southern parts of Russia; Northerly or North-Westerly in Italy, variable in the south of France, Southerly in Algeria. South-Westerly breeze increasing somewhat later on our southern coasts, but wind veering to the Westward in Ireland.

Barometer highest, 30.6 ins. and upwards in a large anticyclone lying over the southern parts of Russia; 30.4 ins. and upwards in another system over Algeria and the south of Spain. Lowest, 29.1 ins. and less in a depression off the west of Scotland. Depression subsequently moving eastwards, and barometer beginning to rise on our western coasts.

Thursday, 18th January.

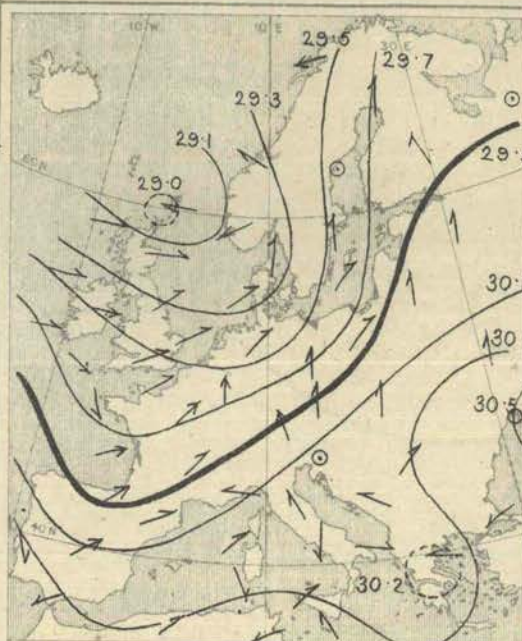
Temperature and Weather.

8 a.m.

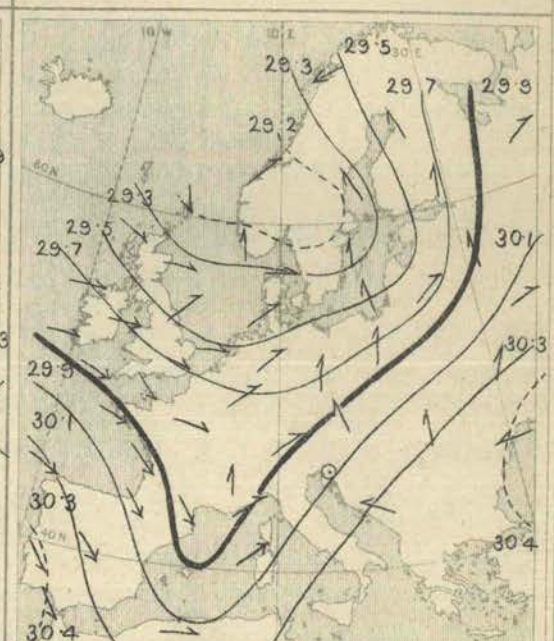


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of Russia, central and south-eastern Europe, as well as over the greater portion of the British Islands; foggy, however, at Hermandstadt and Vienna, rain falling in many parts of France and the extreme north of Scotland and Ireland, snow at Haparanda, Hernösand, and St. Petersburg. A little rain later at our northern and north-western stations, in Denmark, and Germany, and larger quantities over France. Snow falling in Finland.

Temperature changed little and irregularly in the west and north-west, risen rapidly in many parts of Sweden, Russia, and Italy. Morning readings highest, 50° to 58° in the extreme south and south-west, 52° at Paris, 49° at Scilly, 46° at Belmullet. Lowest, (1) - 18° Fahr. at Khar'kov, - 7° at Odessa, - 3° at Hermandstadt, + 15° at Cracow; (2) 8° at Archangel, 15° at Haparanda, and much below the freezing point over Russia, Poland, and Austria-Hungary generally. Touching 50° in the west and south of our Islands later, as well as at Nairn, but falling decidedly over France.

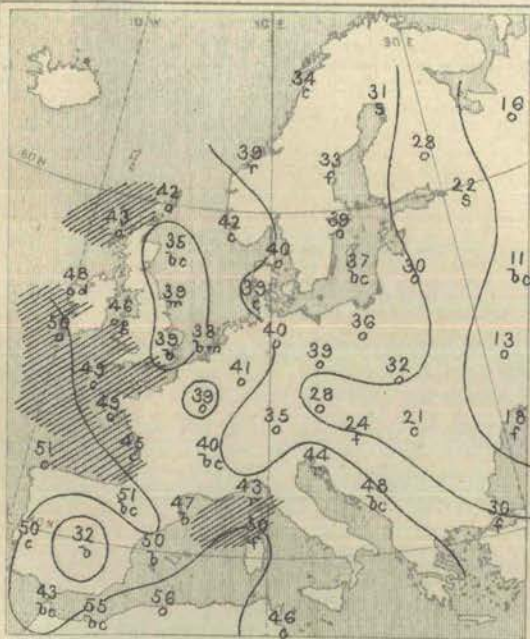
Wind light and anticyclonic over south-eastern Europe, light and variable over the Mediterranean; South-Westerly, rather fresh, over Spain, the north of France, and the Netherlands. Southerly over north Germany, South-Easterly to Easterly over Norway, but Westerly to North-Westerly over the greater part of the British Islands, and blowing strongly at Holyhead. Veering a little more at our western stations later, and shifting to North-West over France. Southerly gale springing up at the mouth of the Gulf of Finland.

Barometer highest, (1) 30.5 ins. and more to 30.6 ins. over the whole of eastern and south-eastern Europe, and 30.3 ins. and more to 30.4 ins. over Algeria, the Mediterranean, and the greater part of the Iberian Peninsula. Lowest, about 29.0 ins. in a depression near Sumburgh Head, and below 29.3 ins. over the Netherlands. Rising decidedly over France and the British Islands later, falling in Scandinavia as the northern depression moved eastwards.

Friday, 19th January.

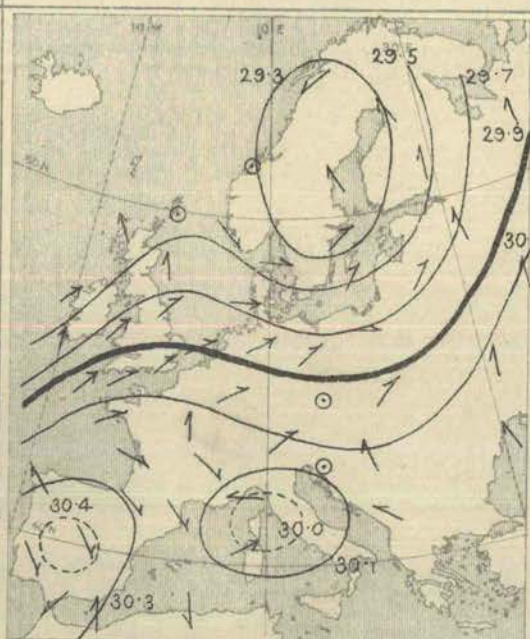
Temperature and Weather.

8 a.m.

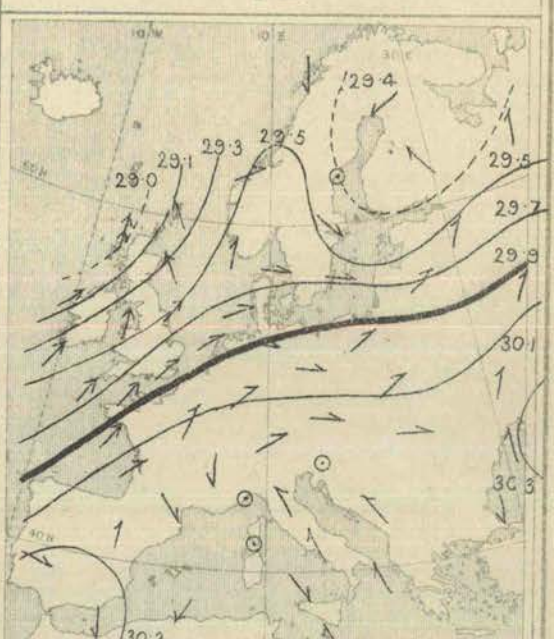


Barometer and Wind.

8 a.m.



6 p.m.



Weather fair or fine in nearly all parts of the United Kingdom, but dull in the extreme west and north, with drizzling rain in places. Cloudy or overcast at most of the Continental stations, with rain at Nice and Trieste, and with snow in Lapland and at St. Petersburg. Fine in Spain and the south of France (Italian reports all wanting). Rain spreading from the west later to nearly all parts of our Islands and also to the north of France; amounts mostly slight, but heavy at Belmullet, where lightning occurred at night. A little rain falling over the northern parts of Italy.

Temperature fallen in the eastern parts of our Islands and also in France and Spain; risen in most other localities. Morning readings highest, 57° at Oran, 56° at Algiers, and 55° at Nemours; ranging between 47° and 50° in the south-west of our Islands. Lowest, - 12° Fahr. at Khar'kov, + 1° at Nicolaieff, 11° at Moscow, 13° at Kiev, 16° at Archangel; below the freezing point over the whole of Russia and also in south Germany; below 40° in the eastern parts of Great Britain. Rising during day to between 45° and 50° in most parts of the United Kingdom, and reaching 52° at Valencia and Scilly. Exceeding 55° in many parts of southern Europe.

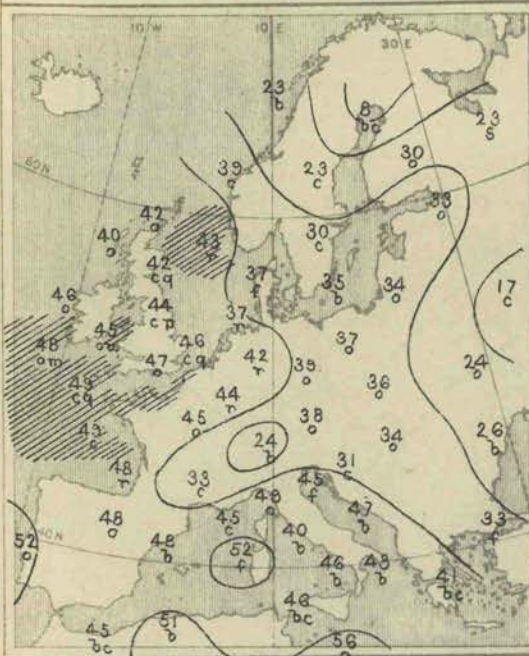
Wind South-Westerly in the west and north of our Islands, and strong in force in the west of Ireland. Light to moderate from the Westward or South-Westward on our eastern and southern coasts, as well as over Denmark, Germany, and the greater part of France; Southerly or South-Easterly over Sweden and Russia. Variable in Spain, Algeria, and the south of France. Subsequently increasing to a gale from the Southward or South-Westward in the west and south of our Islands, and freshening considerably in the north and east.

Barometer highest, 30.4 ins. and upwards in an anticyclone over the south of Russia, and also in another system over central Spain. Lowest, 29.3 ins. and less in a large shallow depression over Scandinavia, 29.4 ins. and less in another system approaching the north-west of our Islands. Former disturbance subsequently moving eastwards, latter system advancing steadily in a north-easterly direction, and barometer falling briskly over the whole of the United Kingdom.

Saturday, 20th January.

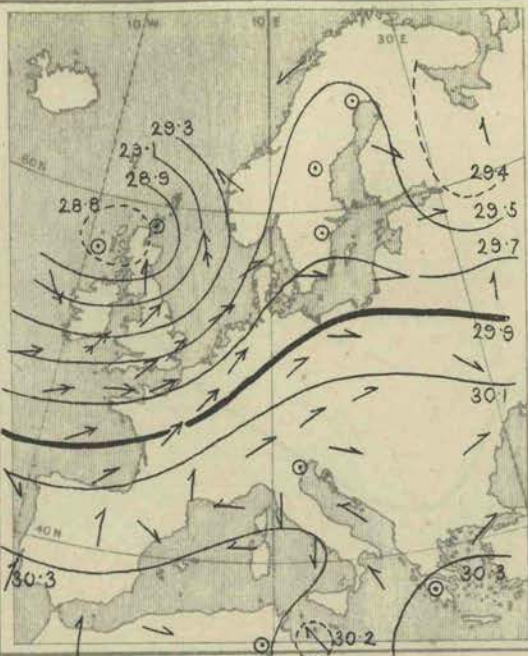
Temperature and Weather.

8 a.m.

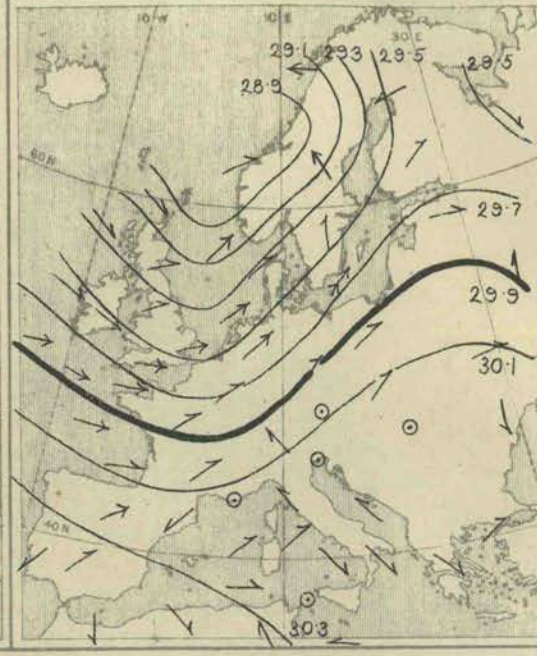


Barometer and Wind.

8 a.m.



6 p.m.



Weather cloudy and squally over north-western Europe generally, with rain in many places. Fine in Sweden and also in Italy, Austria, and the southern parts of France, but dull in Germany and Russia, with snow at Archangel. Rain falling during day over a considerable portion of our Islands and the Continent—heavily at many of the French stations and also at Leghorn. Snow reported in several parts of Russia and Scandinavia. Thunder and lightning occurring at Scilly at about noon.

Temperature fallen several degrees in Sweden and slightly in the west of our Islands, but risen elsewhere. Morning readings highest, 56° at Malta, 52° at Corunna and Lisbon, and 51° at Algiers; above 45° in many parts of Ireland and England. Lowest, 5° at Kharkov, 8° at Uleaborg, 11° at Haparanda, 17° at Moscow, and 23° at Archangel, Bodö, and Hernösand; below the freezing point in south Germany and below 40° in central Scotland. Rising during day to between 45° and 50° in nearly all parts of the United Kingdom; exceeding 55° in many parts of southern Europe, and reaching 59° at Oporto and Cagliari, and 61° at Malta.

Wind strong to a gale from the South-Westward over Ireland, England, and the Netherlands; moderate to strong from South-West over France, Germany, and Denmark; South-Easterly in Norway, with a gale at Skudesnaes; calm in the north of Scotland. Light from between West and South in Russia; calm in Sweden; variable over southern Europe and the Mediterranean. Subsequently veering to the Westward or North-Westward over our Islands and the west of France; no important change occurring elsewhere.

Barometer highest, 30.2 ins. to 30.4 ins. over the whole of southern and south-eastern Europe, with the Mediterranean, Algeria, and Tunis. Lowest, 28.8 ins. and less in a well-marked depression over the north of Scotland (gradients rather steep over all the north-western countries); 29.4 ins. and less in a large shallow area over the north of Russia. Both disturbances moving north-eastwards during day; barometer rising quickly in the west and north of our Islands.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the week a large area of high-pressure covered the whole of southern and south-eastern Europe and the Mediterranean, while a series of depressions skirted the extreme north-west and north of our Islands and passed on to Scandinavia and northern Russia. The prevailing winds were, therefore, South-Westerly (South to West) in all but the extreme southern countries, and on some occasions they blew with the force of a gale in our Islands and Scandinavia. The weather was mild and changeable in the north-western parts of Europe, but cold in the eastern and south-eastern countries, with hard frost over Russia and Austria during the early part of the week. On the 14th, and again on the 18th, a large "V" shaped secondary depression passed north-eastwards over the western parts of the Continent, but on both occasions the system appears to have broken up on reaching the more central countries.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 14.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	7.9	?	15	?	EASTBOURNE	10.0	?	17	?
OSWALDKIRK (Yorkshire)	5.3	?	10	?	TENBY	15.0*	?	26*	?
WORKSOP	10.6	+ 2.4	19	+ 5	NEWQUAY	11.0	?	19	?
THURCASTON (Leicestershire)	12.3	+ 5.3	22	+ 9	TORQUAY	11.9*	?	20*	?
MARGATE	11.5	?	20	?	ARLEY COTTAGE (County Cavan)	6.9	?	13	?
WESTBOURNE (Sussex)	11.8*	?	20*	?	GUERNSEY	15.7*	?	26*	?
BRIGHTON	15.7	?	27	?					

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 4.]
Third Series.

WEEK ENDING SATURDAY, 27TH JANUARY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 20.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	22	42.3	31.0	36.9	2 below.	Day-deg. 1	Day-deg. - 6	Day-deg. 40	Day-deg. + 7	Day-deg. 18*	Day-deg. - 12	Day-deg. 149*	Day-deg. + 21
	1. SCOTLAND, EAST	51	23	44.3	31.0	37.9	1 above.	6	- 2	42	+ 3	19	- 12	135	+ 26
	2. ENGLAND, N.E.	54	25	44.5	33.8	39.9	2 above.	7	- 1	36	- 1	23	- 2	163	+ 21
	3. ENGLAND, EAST.	52	22	46.1	33.2	39.9	2 above.	11	+ 3	35	- 7	35	+ 6	195	+ 23
	4. MIDLAND COUNTIES.	53	22	46.4	33.6	40.3	2 above.	12	+ 3	35	- 8	41	+ 5	183	+ 10
5. ENGLAND, SOUTH	52	24	46.8	35.2	41.2	2 above.	13	+ 2	29	- 3	46	+ 4	165	+ 35	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	25	44.8	34.4	39.8	0 (average).	8	- 1	30	+ 1	34	- 5	124	+ 6
	7. ENGLAND, N.W.	51	26	46.2	36.4	41.5	2 above.	12	+ 4	24	- 6	43	+ 10	133	+ 11
	8. ENGLAND, S.W.	54	24	47.4	37.0	42.4	1 above.	24	+ 10	14	- 8	81	+ 22	118	+ 25
	9. IRELAND, NORTH	52	27	45.9	33.7	40.0	0 (average).	11	- 3	33	+ 8	43	- 12	134	+ 31
	10. IRELAND, SOUTH	53	28	48.6	36.1	42.6	0 (average).	29	+ 9	17	- 3	89	+ 9	110	+ 30
	-CHANNEL ISLANDS	52	30	48.9	40.4	44.8	1 above.	26	+ 5	4	- 5	97	+ 9	70	+ 32

DISTRICTS. (See p. 20.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of in. 32	10ths of ins. 20 more.	22	+ 2	5.9	+ 0.8	5	- 1	9	- 2	19	+ 5	15	+ 2
	1. SCOTLAND, EAST	6	10	3 more.	19	+ 5	2.9	+ 0.3	16	+ 13	30	+ 23	35	- 9	19	- 5
	2. ENGLAND, N.E.	4	2	2 less.	19	+ 6	1.5	- 0.3	15	+ 5	26	+ 10	36	+ 5	18	+ 3
	3. ENGLAND, EAST.	3	5	0 (average).	18	+ 4	1.6	- 0.2	18	+ 6	30	+ 10	46	+ 4	21	+ 2
	4. MIDLAND COUNTIES.	5	4	2 less.	22	+ 8	1.7	- 0.5	13	+ 3	22	+ 5	40	+ 6	18	+ 2
5. ENGLAND, SOUTH	5	9	3 more.	19	+ 5	2.5	0.0	19	+ 7	31	+ 12	56	+ 11	22	+ 6	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	17	4 more.	21	+ 3	5.3	- 0.1	12	+ 3	21	+ 6	32	+ 3	15	- 1
	7. ENGLAND, N.W.	6	7	0 (average)	19	+ 4	2.4	- 0.5	10	+ 2	18	+ 4	35	+ 11	19	+ 5
	8. ENGLAND, S.W.	6	9	0 (average)	20	+ 3	3.4	- 0.5	14	+ 2	23	+ 4	55	+ 10	22	+ 4
	9. IRELAND, NORTH	7	15	8 more.	21	+ 3	4.4	+ 1.3	10	- 2	17	- 3	38	- 2	17	0
	10. IRELAND, SOUTH	6	9	1 less.	21	+ 4	4.4	+ 0.6	13	0	22	0	43	0	21	0
	-CHANNEL ISLANDS	6	10	2 more.	21	+ 3	4.1	+ 0.9	21	+ 7	34	+ 11	69	+ 12	30	+ 5

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued extremely changeable and unsettled in all parts of the Kingdom. Rain fell daily in most of the western and north-western districts, and frequently elsewhere, and in the extreme north-west of Scotland some heavy falls of snow were experienced. In nearly all places, however, there were considerable intervals of fine bright weather.

Temperature was rather below the mean in Scotland N.; it just equalled the normal in Scotland W. and over Ireland, but in all other districts it continued above, the excess in most cases being 2°. The highest of the maxima occurred on the 27th, when they ranged from 50° in Scotland W., to 54° in England N.E. and S.W. The lowest of the minima were recorded on the 24th, when the thermometer fell to 22° in England E., the Midland Counties, and Scotland N., and to between 23° and 26° in other parts of Great Britain; in Ireland, however, the lowest reading was 28°, and in the Channel Islands 30°.

Rainfall was rather less than the mean in England N.E., the Midland Counties, and Ireland S., and just equal to it in England E., N.W., and S.W. In the other districts there

was an excess, that in Ireland N. being rather considerable, and that in Scotland N. very large.

Bright Sunshine exceeded the mean for the time of year in nearly all places, especially on the eastern and southern coasts. The percentage of the possible duration ranged from 34 in the Channel Islands, 31 in England S., and 30 in Scotland E. and England E., to 17 in Ireland N., and to 9 in Scotland W.

Barometer and Wind.—Large and deep depressions continued to skirt our extreme north-western and northern coasts on their way north-eastwards from the Atlantic to Scandinavia and northern Europe, while their secondary disturbances generally passed over the more southern parts of our Islands. South-Westerly to North-Westerly winds were consequently prevalent and were frequently strong in force, especially towards the end of the week, when a South-Westerly gale was experienced in nearly all parts of the Kingdom.

II.—DATA from which the SUMMARY on page 19 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	25	41.3	31.4	36.6	- 2.8	0	38	7	2.60	+1.76	*	*	*
	Stornoway	49	26	42.1	31.3	36.9	- 2.4	0	39	7	2.61	+1.44	6.7	- 0.9	13
	Wick	46	25	41.3	30.6	36.2	- 2.1	0	41	7	1.05	+0.59	*	*	*
	Lairg	45	22	41.3	29.9	35.8	- 0.7	0	43	7	1.71	+0.93	*	*	*
	Glencarron	48	26	42.1	29.6	36.1	- 1.5	0	45	7	4.91	+2.71	*	*	*
	Fort Augustus	49	25	43.1	30.6	37.1	- 1.9	3	42	7	4.34	+3.31	3.9	?	?
1. SCOTLAND, E.	Fort William	50	28	44.9	33.8	39.6	0.0	8	32	7	5.16	+2.92	3.7	?	?
	Nairn	50	28	44.4	30.9	37.9	0.0	7	42	7	1.07	+0.64	*	*	*
	Aberdeen	50	26	45.0	32.0	38.8	+ 0.7	8	39	7	0.54	+0.02	25.8	+12.8	43
	Braemar	46	23	39.8	28.8	34.5	- 0.5	0	53	6	1.45	+0.72	6.3†	†	12†
	Ochertyre	49	25	45.6	28.4	37.3	+ 0.4	10	52	7	1.11	-0.05	*	*	*
	Leith	51	30	47.0	34.3	40.9	+ 1.5	14	32	4	0.93	+0.50	*	*	*
2. ENGLAND, N.E.	Marchmont	47	25	43.7	31.7	37.9	+ 0.9	5	39	3	0.77	+0.17	17.5	?	32
	Alnwick Castle	49	28	44.7	34.3	39.7	+ 1.7	8	30	5	0.47	-0.01	*	*	*
	Durham	51	26	45.0	33.3	39.3	+ 1.9	8	34	4	0.11	-0.34	15.5	+ 4.5	28
	Shields	54	28	47.4	33.6	40.8	+ 1.7	15	35	3	0.20	-0.20	*	*	*
	Scarborough	51	25	44.4	33.0	38.9	- 0.1	7	35	4	0.19	-0.26	*	*	*
	York	53	25	47.0	33.7	40.6	+ 2.4	14	34	4	0.28	-0.15	13.0	+ 5.3	23
3. ENGLAND, E.	Spurn Head	50	28	44.6	35.1	40.0	+ 1.6	7	27	2	0.13	-0.17	*	*	*
	Hillington	51	22	45.5	33.9	39.9	+ 2.2	10	32	3	0.56	+0.13	16.3	+ 5.3	28
	Yarmouth	50	25	45.4	33.1	39.5	+ 1.4	10	35	4	0.45	0.00	*	*	*
	Geldeston	52	22	45.6	34.0	40.0	+ 1.2	10	32	3	0.36	0.00	22.5	+ 9.5	38
	Cambridge	52	23	47.6	31.9	40.1	+ 1.9	16	42	4	0.37	-0.01	15.0	+ 3.0	25
	Rothamsted	50	24	46.5	32.9	40.0	+ 2.2	13	37	5	0.53	-0.07	16.1	?	27
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	53	24	47.1	33.3	40.5	+ 2.3	14	36	3	0.22	-0.19	*	*	*
	Loughborough	53	23	47.6	33.1	40.6	+ 2.1	16	37	4	0.21	-0.26	*	*	*
	Stamford (Ketton Hall)	52	22	46.7	32.9	40.1	+ 1.7	13	37	6	0.27	-0.12	*	*	*
	Cheadle	49	24	44.1	33.2	38.9	+ 1.9	6	34	6	0.54	-0.04	*	*	*
	Churchstoke	50	24	46.1	34.4	40.5	+ 2.1	11	31	4	0.60	-0.05	13.5	+ 2.5	23
	Hereford	52	23	46.2	34.0	40.3	+ 1.2	12	32	?	?	?	*	*	*
5. ENGLAND, S.	Cirencester	48	25	46.2	33.4	40.1	+ 2.0	12	35	5	0.33	-0.37	14.2	+ 2.6	24
	Oxford	50	27	47.0	34.4	41.0	+ 1.8	14	32	4	0.45	-0.06	15.0	+ 4.9	25
	London	52	24	47.1	34.7	41.2	+ 1.6	14	31	5	0.66	+0.18	13.1†	+ 6.2†	22†
	North Foreland	50	26	45.9	34.3	40.3	+ 0.7	11	31	5	0.93	?	*	*	*
	Strathfield Turgiss	50	25	46.5	33.3	40.2	+ 1.6	13	36	6	0.92	+0.37	*	*	*
	Dungeness	49	25	45.9	34.4	40.4	+ 0.4	11	31	5	0.77	+0.19	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	50	27	46.5	36.5	41.7	+ 1.4	13	24	4	0.76	+0.15	22.4	+ 8.4	37
	Southampton	52	26	47.7	36.8	42.5	+ 2.3	25	15	6	1.26	+0.54	17.1	+ 5.6	29
	Hurst Castle	51	29	47.6	36.9	42.5	+ 1.6	25	14	5	1.72	+1.04	*	*	*
	Stowell	50	25	46.8	34.6	40.9	+ 2.0	13	31	6	0.53	?	*	*	*
	Laudale (Loch Sunart)	49	28	45.4	32.9	39.4	- 0.9	10	36	7	3.60	+1.62	*	*	*
	Glasgow	48	29	43.9	33.7	39.0	+ 0.2	5	32	6	1.50	+0.55	8.5	+ 2.1	15
7. ENGLAND, N.W.	Ardrossan	50	32	46.1	36.7	41.6	+ 1.1	11	23	7	0.69	-0.27	*	*	*
	Glenlee	48	25	42.0	32.5	37.4	- 0.2	7	32	7	1.91	+0.19	*	*	*
	Douglas (Isle of Man)	49	30	46.5	36.2	41.6	+ 1.0	13	25	7	0.79	-0.24	15.2	+ 4.7	27
	Stonyhurst	49	26	44.1	34.7	39.6	+ 1.2	6	28	7	1.35	+0.47	10.3	+ 1.3	18
	Blackpool	51	26	46.1	36.5	41.5	+ 3.1	11	24	6	0.58	-0.10	11.2	+ 2.6	20
	Manchester	51	27	45.2	34.3	40.0	+ 1.8	9	31	6	0.57	-0.11	5.6†	†	10†
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	51	32	47.0	37.1	42.3	+ 2.3	23	14	6	0.42	-0.04	*	*	*
	Llandudno	51	31	47.8	37.8	43.0	+ 1.4	25	12	6	0.66	+0.04	12.8	+ 2.8	22
	Holyhead	49	31	47.0	37.7	42.5	+ 0.3	22	12	6	0.50	-0.22	*	*	*
	Llandoverly	48	24	45.7	32.7	39.5	- 1.5	10	37	6	1.55	+0.37	*	*	*
	Pembroke	49	35	47.3	39.9	43.8	+ 1.2	21	6	6	0.58	-0.23	10.5	- 1.9	18
	Bristol (Montpelier)	52	28	48.0	36.8	42.6	+ 3.0	26	15	6	0.83	?	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	48	27	45.4	34.9	40.4	+ 0.7	10	29	6	1.30	+0.31	*	*	*
	Cullompton	51	25	48.0	35.3	41.9	+ 1.7	17	29	6	0.50	-0.24	12.3	+ 2.3	21
	Falmouth	51	33	48.3	39.9	44.3	+ 0.4	25	6	7	1.09	-0.11	16.2	+ 4.2	27
	Plymouth	54	30	48.5	38.8	43.8	+ 1.6	26	9	6	0.70	-0.19	14.2	+ 3.0	23
	Prawle Point	49	31	47.9	37.4	42.9	+ 0.9	26	13	6	0.56	-0.14	*	*	*
	Malin Head	49	32	46.1	36.1	41.3	+ 0.3	11	25	7	1.08	?	*	*	*
10. IRELAND, S.	Londonderry	49	30	45.4	33.6	39.7	- 0.7	10	33	7	1.65	+0.75	*	*	*
	Edenfel (Omagh)	49	28	43.0	33.0	38.2	- 1.1	3	34	6	1.91	+1.14	*	*	*
	Belmullet	50	34	48.1	37.4	43.0	+ 0.1	26	13	7	1.98	?	*	*	*
	Markree Castle	52	28	46.8	32.6	40.0	- 0.1	13	38	7	2.00	+1.24	5.3	- 5.7	9
	Brookeborough	50	27	45.9	32.4	39.4	+ 0.5	11	38	7	1.84	+0.88	*	*	*
	Armagh	50	29	46.1	32.8	39.7	+ 0.5	11	37	6	1.55	+0.91	12.1	+ 1.1	21
CHANNEL ISLANDS	Donaghadee	52	28	46.6	33.4	40.3	- 0.2	13	35	7	0.68	+0.33	*	*	*
	Edgeworthstown	50	27	45.3	31.8	38.8	- 0.7	9	40	6	0.84	+0.16	*	*	*
	Dublin	52	31	48.0	35.4	42.3	- 0.1	17	18	5	0.53	+0.03	20.9	+ 7.9	36
	Parsonstown	52	29	47.7	33.9	41.1	+ 0.7	16	34	7	0.37	+0.19	10.2	- 2.0	18
	Kilkenny	52	28	47.7	34.1	41.2	- 0.3	16	34	6	0.48	-0.30	*	*	*
	Waterford	50	30	48.1	33.1	41.9	- 1.1	17	31	5	0.47	-0.57	*	*	*
CHANNEL ISLANDS	Roche's Point	52	34	49.3	38.1	43.9	+ 0.1	30	11	5	0.81	-0.41	*	*	*
	Valencia	52	32	49.7	39.3	44.7	- 0.5	30	8	7	0.95	-0.53	6.6	- 7.7	11
	Killarney	53	31	49.5	36.6	43.3	- 0.6	32	15	7	1.82	?	*	*	*
	Foynes	?	31	?	36.7	?	?	?	?	7	1.28	?	*	*	*
	Scilly (St. Mary's)	52	19	49.7	41.7	45.9	0.0	29	1	6	0.54	-0.28	*	*	*
	Jersey	52	30	48.2	39.1	43.8	+ 1.4	25	8	6	1.35	+0.65	22.7	+ 6.5	37

Stations marked *St* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 21st January.

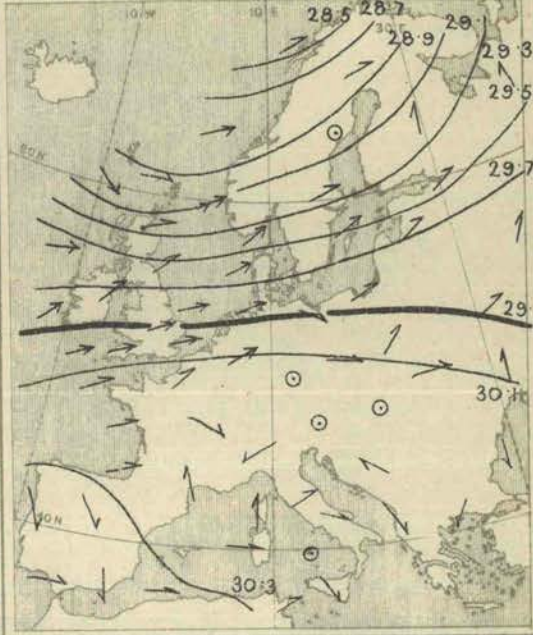
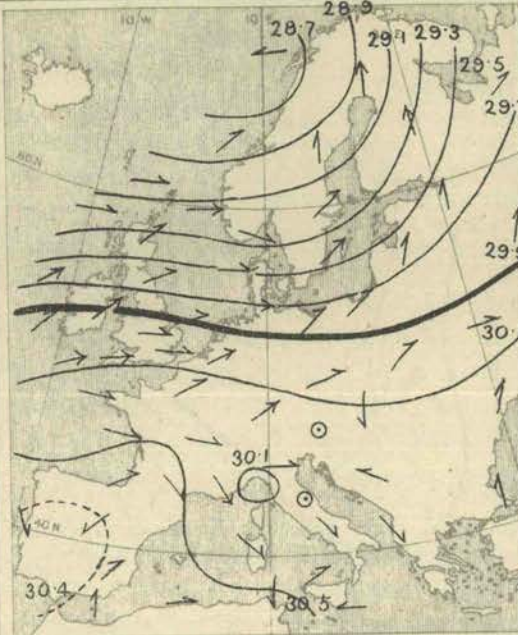
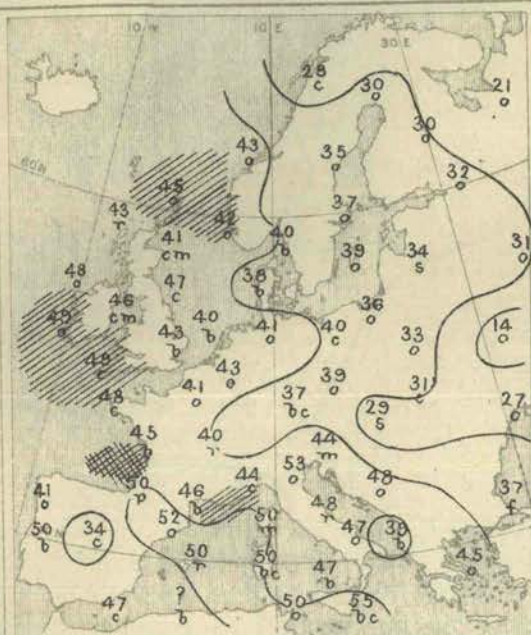
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over the greater part of the Mediterranean and at many stations in France and the south of our Islands, cloudy or overcast elsewhere, and unsettled over all the northern countries. Rain later at most stations in the last-named regions and at Biazitz—fall considerable at Christiansund, and hail and lightning at our extreme north-western stations. Heavy local rains at Algiers and Rome.

Temperature changing little and irregularly. Morning readings exceeding 50° at several of the Mediterranean stations, touching 50° at Lisbon, 49° at Brest and Valencia (Ireland); exceeding 40° over western Europe generally. Lowest, (1) 14° at Kiev, 26° at Cracow; (2) 21° at Archangel, and below the freezing point over Russia generally and south Germany. Rising later to 50° or a little more at a few of our stations, to 54° at Brest, and to 56° at Perpignan, 64° at Palermo, and 68° at Sfax.

Wind light and very variable over southern and south-eastern Europe as a whole, but fresh at Toulon; Westerly and South-Westerly, fresh to strong, over the United Kingdom, South-Westerly to Southerly and strong over the Baltic and Finland, but Easterly at Bodö. Increasing from South-West at our western stations later, blowing a gale from West-South-West on the southern coast of Norway, and a strong breeze over Denmark. Little or no change in the south.

Barometer highest, 30.4 ins. and more to 30.3 ins. over the Spanish Peninsula and south-west of France, and exceeding 30.0 ins. over the south-west of England, with the whole of France, southern and south-eastern Europe. Lowest, 28.7 ins. and less over north-west of Scandinavia. Falling steadily over the United Kingdom and Spain later, rising over the Riviera and south-eastern Europe.

Monday, 22nd January.

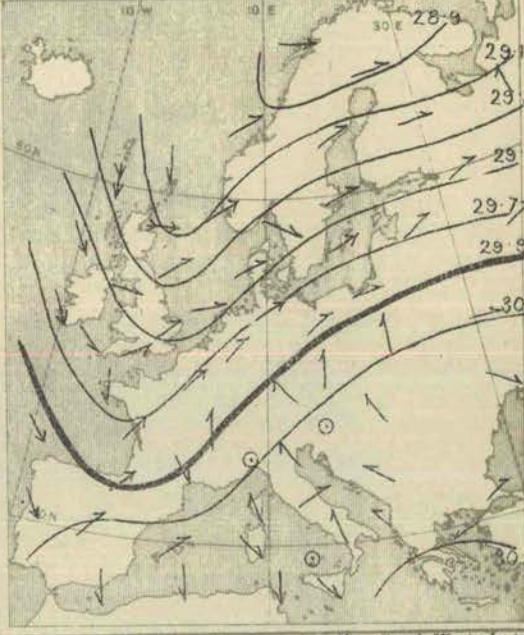
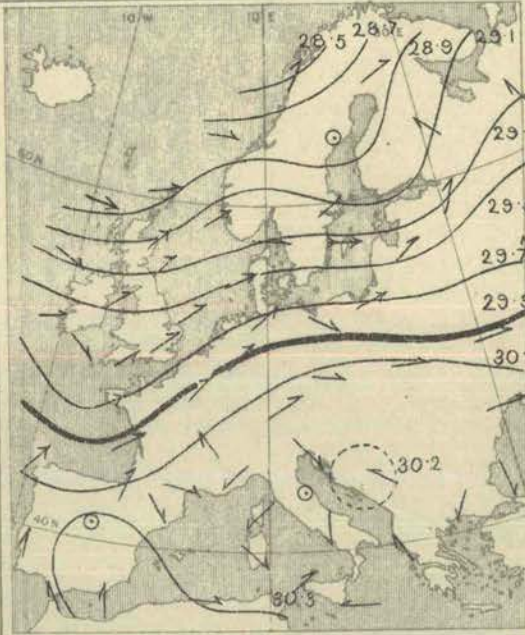
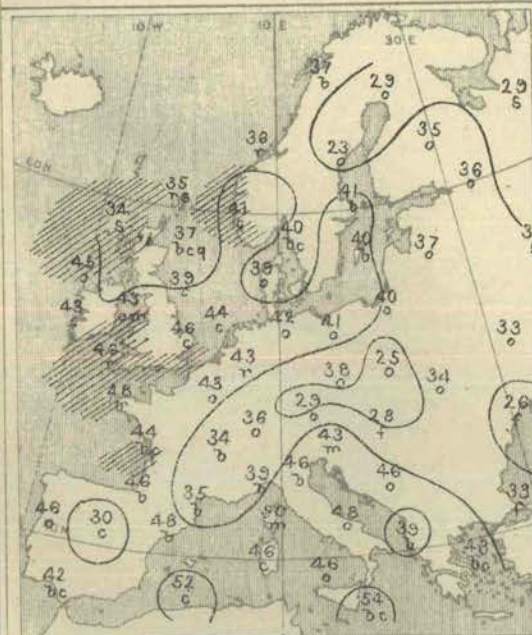
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine but not settled at most of the Mediterranean and south European stations, rainy at Toulon—foggy over Hungary and the south of Russia; cloudy to unsettled over the northern countries, with rain over the south of England and the Netherlands; snow and sleet in Scotland and the north of Russia. Considerable fall of hail, sleet, or snow in the north later, and of rain in the west and south. Sky clearing still later over England.

Temperature inclined to fall in the west and south, risen over the eastern-central counties. Highest, exceeding 50° at Malta and some Algerian stations only; exceeding 40° over France, north Germany, and the south and west of our Islands. Lowest, (1) 26° to 29° over Hungary and the south of Russia; (2) 23° at Hernösand, 29° at Haparanda and Archangel; (3) 24° at Stornoway. Falling decidedly over our Islands and France later—the change spreading in from the westward.

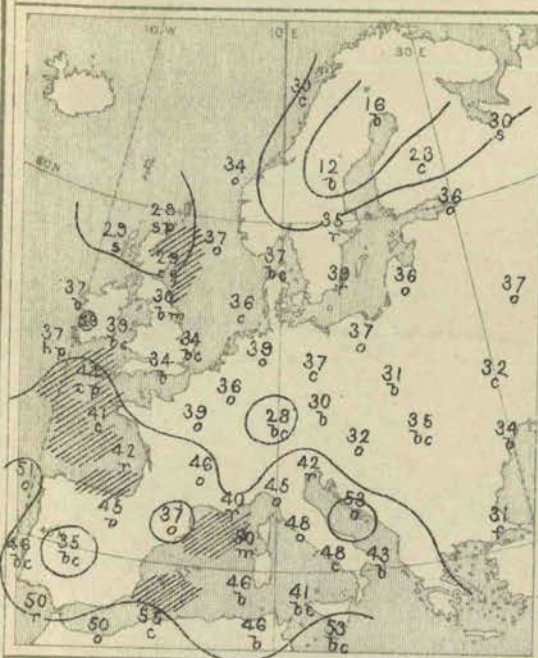
Wind variable and light over the southern and south-eastern counties, South-Westerly to Westerly, moderate to fresh, in the north-west and north, strong in many places—a gale in the south of Norway. Veering to North and North-West on our northern and western coasts later, and blowing a strong gale at several of the Scotch stations.

Barometer highest, 30.3 ins. and more over Algeria and central Spain, and exceeding 30.0 ins. over south-western, southern, and south-eastern Europe generally. Lowest, 28.5 ins. and less over Finmark, and below 29.0 ins. over the north of Scotland, the Shetlands, the northern half of Scandinavia, and the west of Finland. Gradients rather steep over the northern countries. Low-pressure area in north and an extensive "V" over our Islands moving eastwards later, and barometer rising rapidly in the north and west of the British Islands.

Tuesday, 23rd January.

Temperature and Weather.

8 a.m.

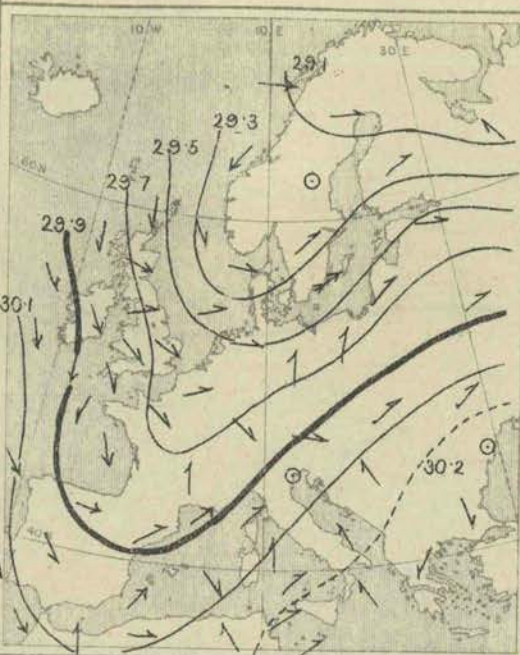


Weather in morning fine and bright over central Europe and the south of Russia, as well as over England, the greater part of Ireland, and the northern parts of Sweden; snow falling at Archangel, as well as in Scotland and the north of Ireland, hail at Valencia (Ireland), rain over the Baltic, in the south-west and south of France, and at Trieste. Sleet or rain later over the west and north of our Islands generally, and in Russia and Norway; heavy rain in the north of Spain and south of France.

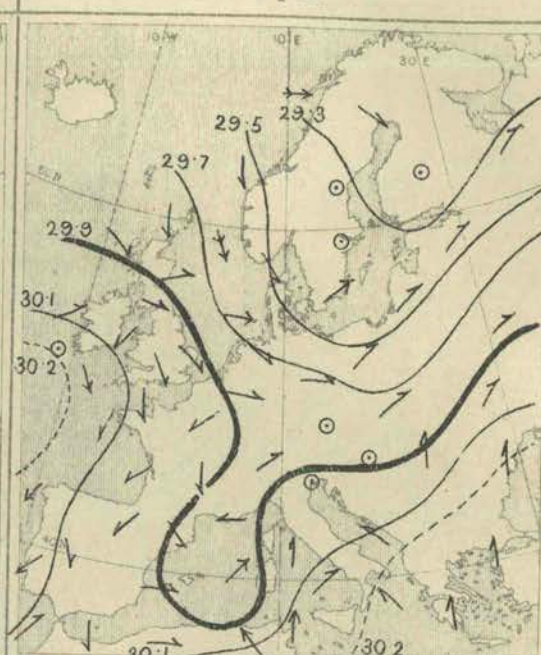
Temperature fallen decidedly over the British Islands, northern, western, and central Europe. Morning readings exceeding 50° at Malta and on the southern side of the Mediterranean only; 44° at Scilly, 40° and more in the west and south of France. Lowest, (1) 12° at Hernösand, 16° at Haparanda, 30° at Bodö and Archangel; (2) 28° to 31° at the Scotch stations, 29° at York, Loughborough, and Parsonstown. Becoming very cold over England at night, but beginning to rise in Ireland and the rise spreading north-eastwards.

Barometer and Wind.

8 a.m.



6 p.m.



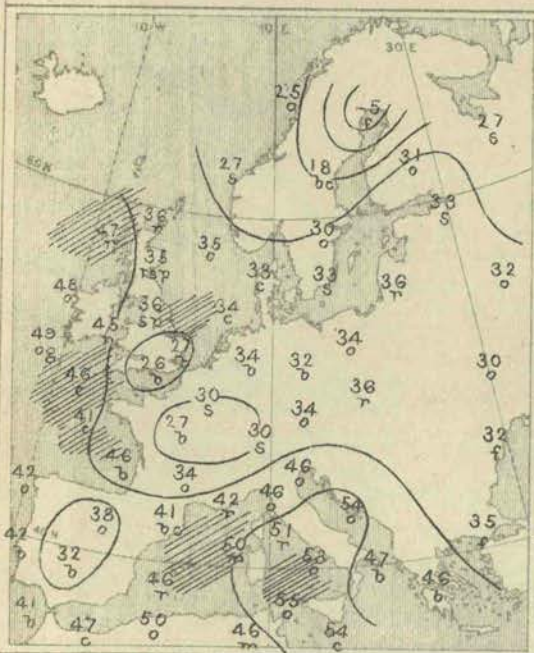
Wind Northerly to North-Westerly over Norway, the British Isles, France, and Spain, and blowing strongly in the north-west of Norway, at Aberdeen, and at Corunna; South-Westerly to Southerly over Germany, the Baltic, and Finland, and blowing a gale at Wisby; South-Westerly on the western side of the Mediterranean, very variable in the south and east. Falling light over our Islands later, and beginning to back to South-West again on our extreme western coasts.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. over the Black Sea and south-eastern Europe; (2) 30.1 ins. and more in the south of Portugal, and exceeding 30.0 ins. over the south-western half of Spain and the south-west of Ireland. Lowest, 29.1 ins. and less over Lapland, the Kola Peninsula, and the White Sea; below 29.3 ins. in a "V" stretching southwards over Scandinavia, and below 29.7 ins. over the north-east of France. Rising decidedly over western Europe all day, but rise slackening in the north-west of our Islands later.

Wednesday, 24th January.

Temperature and Weather.

8 a.m.

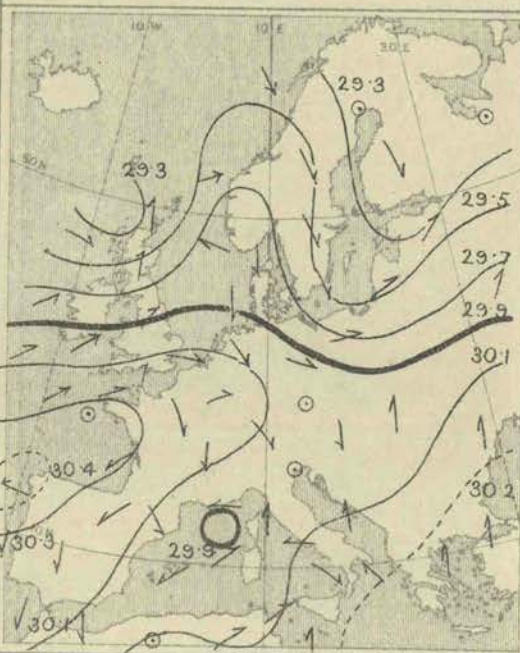


Weather in morning fine and bright over the greater part of France, north Germany, and England, and at many of the Spanish and Portuguese stations; dull and unsettled elsewhere, foggy over south-eastern and central Europe, and rain or snow falling at many stations both on the Continent and in the north and west of the British Isles. Rain general over the United Kingdom later, but not heavy except at Sumburgh Head; showers on the Continent and Algeria.

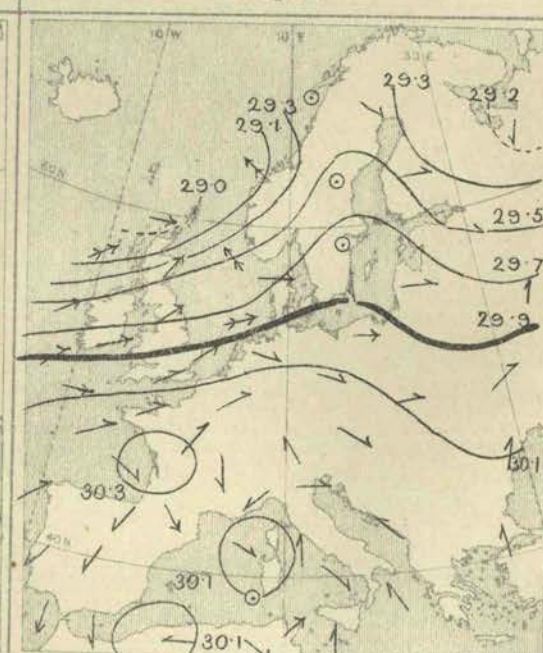
Temperature fallen decidedly over France, England, and the extreme north of Europe, risen decidedly in Ireland and Scotland. Exceeding 50° at some of the Mediterranean and Adriatic stations only; exceeding 40° at the coast stations of southern Europe and the western parts of France and the United Kingdom. Lowest, (1) - 5° Fahr. at Haparanda, + 10° at Uleaborg, 18° at Hernösand, 27° at Christiansund and Archangel; (2) 30° to 35° over eastern and central Europe; (3) 25° to 29° over our eastern and south-midland counties, 27° at Paris, 30° at Brussels. Rising rapidly over England later, and exceeding 40° at most of our stations by the evening.

Barometer and Wind.

8 a.m.



6 p.m.



Wind (1) very variable over south-eastern and southern Europe and the Mediterranean; (2) Southerly to Westerly over the United Kingdom, and strong in force on our extreme north-west coasts; (3) North-Westerly to Northerly over Sweden and Denmark, Westerly over Germany, Southerly over the northern half of Russia. Increasing to a gale from West or South-West in the northern parts of Ireland and Scotland later, and to a strong gale from South-East in the west of Norway; continuing light over the southern countries.

Barometer highest, 30.42 ins. at Corunna, and exceeding 30.0 ins. all over the Peninsula, France, western Germany, and the southern parts of England and Ireland. Lowest, below 29.3 ins. over Lapland, the White Sea, and north of Russia, and apparently off the north of Scotland also; below 29.9 ins. in a shallow depression off the extreme south of France. Falling rapidly in Norway and the north of Scotland later, and over the Peninsula, rising over the Mediterranean; gradients there becoming very steep for South-Westerly winds.

Thursday, 25th January.

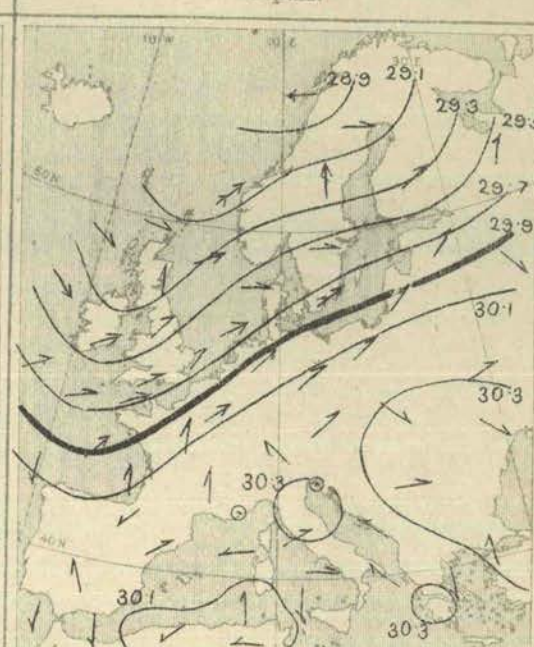
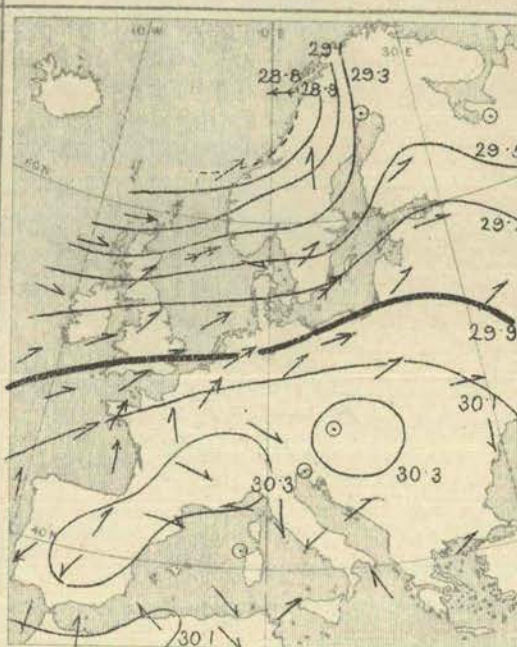
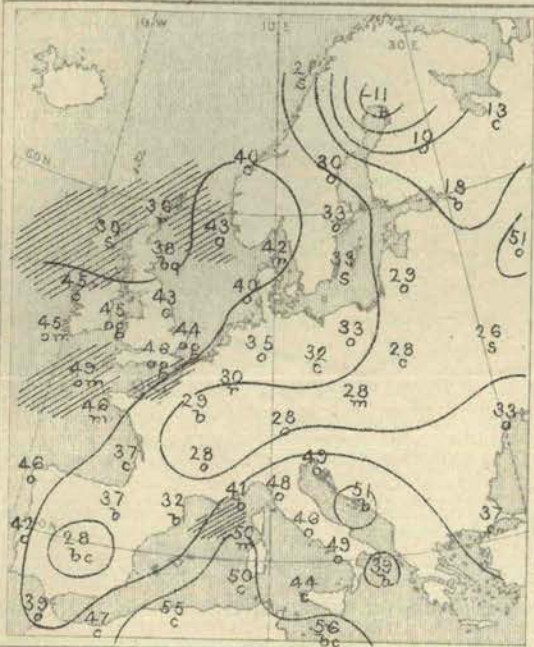
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over Spain, the south of France, some parts of Austria, and the greater part of the Mediterranean, very unsettled over the north-western and northern countries, with rain or sleet at many of our own stations, snow in the south of Russia. Rain later over the United Kingdom and France (heavy over Brittany and the north of France), smaller quantities in Spain and Algeria. Sky clearing subsequently in various parts of the United Kingdom.

Temperature risen over England, the north of France, and the North Sea, fallen over Hungary, Poland, the Baltic Provinces, and Finland. Morning readings exceeding 50° on the southern side of the Mediterranean and at Lesina, 49° at Scilly, and exceeding 45° on our western and southern coasts generally. Lowest, -11° Fahr. at Haparanda, +2° to 13° in the extreme north of Russia, 18° at St. Petersburg, 21° at Bodö. Giving way decidedly over our Islands later, rising over France and northern Europe.

Wind light to moderate and very variable all over south-western, southern, central, and south-eastern Europe: moderate to strong from West and South-West in our Islands, strong to a gale from South-West over the North Sea, and from South over the Baltic, but blowing a gale from East at Bodö, calm at Haparanda. Shifting to North-West in Ireland and the west of Scotland later, and change spreading eastwards.

Barometer highest, 30.3 ins. and more to 30.0 ins. all over Spain, France, central and south-eastern Europe. Lowest, 28.5 ins. and less in the north-west of Norway, and below 29.0 ins. over the Shetlands. Gradients steep over the Baltic. Falling over the Continent later, but rising in Ireland at night in the rear of a "V" which travelled eastwards across the Kingdom.

Friday, 26th January.

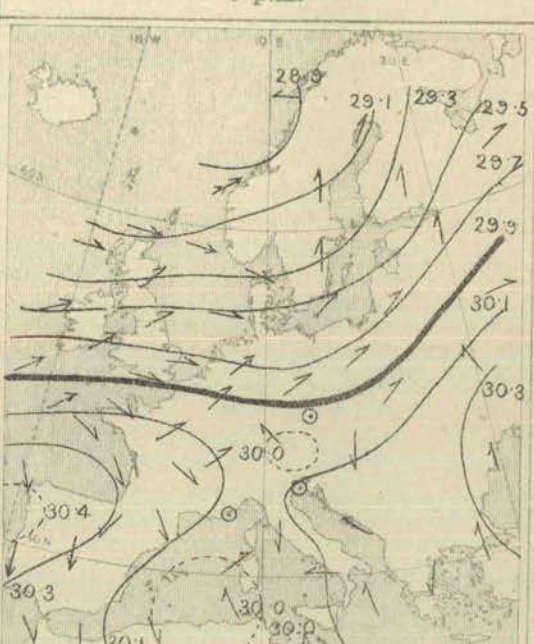
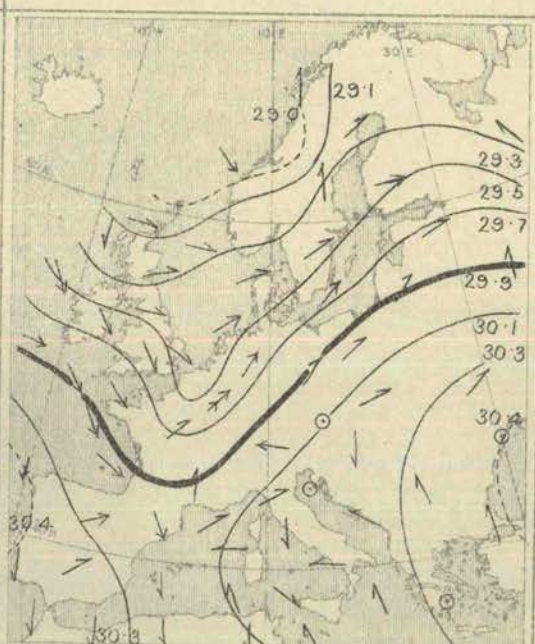
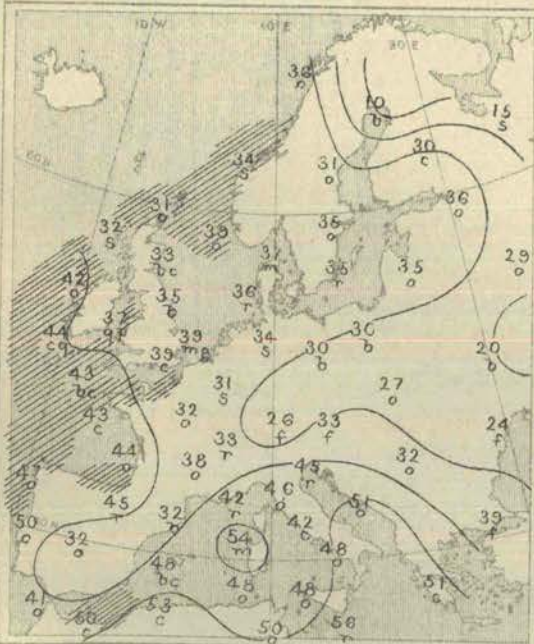
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning dull and foggy over south-eastern and central Europe, fine and bright over north Germany, several of the western and south-western parts of our Islands and at Oporto; very unsettled over all the north-western countries. Snow at several of the Irish and Scotch stations, at Christiansund and Archangel, and over the Netherlands; rain in several parts of France, at Fano, and Trieste. Much snow and rain at Stornoway during the day, smaller quantities over northern Europe, Scotland, and Ireland, some rain in many parts of England and France, and heavy rain over Algeria.

Temperature fallen over the British Islands and Norway, risen in the south of France, and changing fitfully in most countries. Morning readings highest, 50° and more on the southern side of the Mediterranean only; 47° at Corunna and Prawle Point, 44° at Rochefort and Valencia. Lowest, (1) 10° Fahr. at Haparanda, 15° at Archangel; (2) 29° at Odessa and Kiev, 22° at Prague, 23° at Kharkov, 26° at Munich. Changing very irregularly over our Islands later, but, as a whole, rising in the west, exceeding 65° at many Mediterranean stations, and touching 61° at Malta, 60° at Palermo.

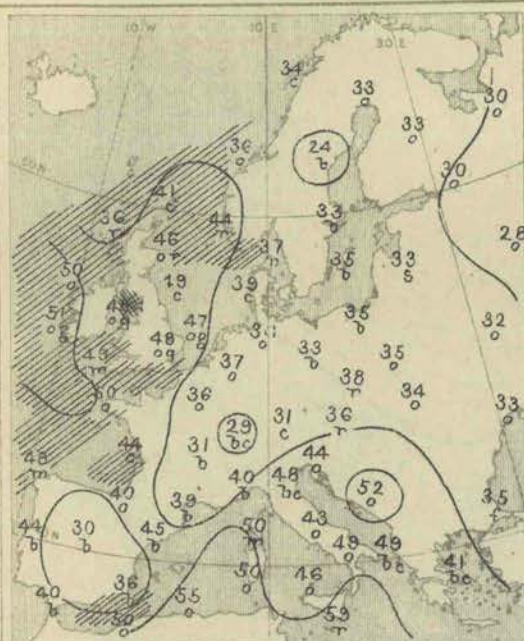
Wind light and anticyclonic over south-eastern Europe, Italy, and the southern parts of the Mediterranean. Cyclonic elsewhere, and (1) Westerly to North-Westerly over the British Islands and Bay of Biscay (a gale on the Spanish coast), but Southerly, fresh to strong, over the Netherlands and the Baltic, and South-Westerly, light, over Finland, and Westerly to Northerly, light, in Scotland. Backing to South-West on our western coasts later, and increasing to a gale; continuing Northerly on the coasts of the Peninsula, but moderating greatly.

Barometer highest, (1) 30.4 ins. and more to 30.1 ins. over south-eastern Europe, including Italy and Malta; (2) 30.3 ins. and more to 30.1 ins. over the greater part of the Spanish Peninsula, and exceeding 30.5 ins. over the Azores. Lowest, 29.0 ins. and less in a complex depression off the west of Norway, and about 29.5 ins. in a "V" shaped secondary between the Thames and the Dutch coast. Rising fast later over France, Holland, and the North Sea, but falling again in Ireland.

Saturday, 27th January.

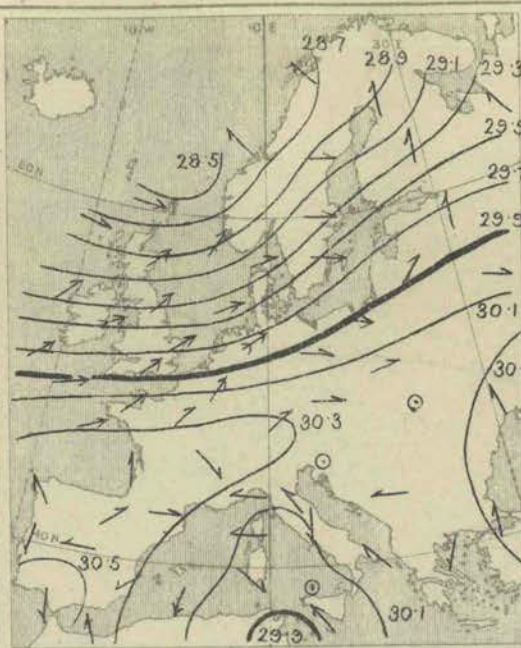
Temperature and Weather.

8 a.m.

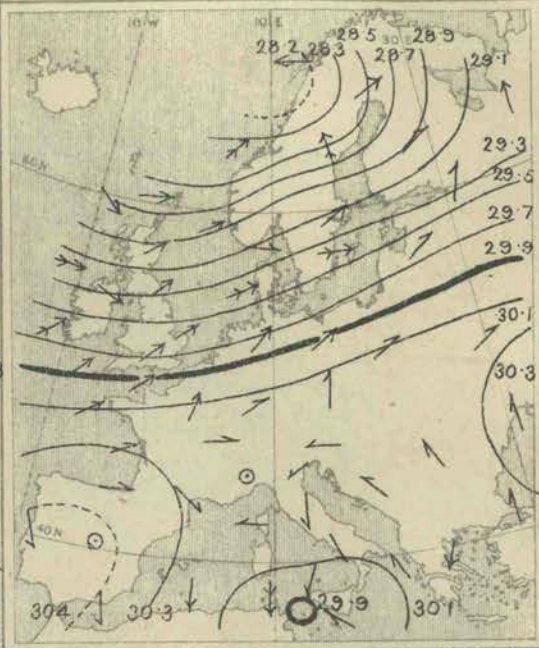


Barometer and Wind.

8 a.m.



8 p.m.



Weather fine and bright over the Peninsula and southern half of France, as well as on the Swedish coast, fair and quiet over south-eastern Europe, changeable over the central countries, with rain in places, very cloudy, squally, and unsettled in the north-west and north, with rain in several stations, and an angry appearance in our Islands. Rain later over our Islands, the west and north of France, and in Norway, heavy in some parts of northern Europe, and a large local fall at Palermo.

Temperature risen in most places—rapidly in the west and north of the British Isles. Morning readings highest, 59° at Malta, and above 50° at a few other of the Mediterranean stations; 51° in the south of Ireland, 50° at Belmullet, and above 45° over England generally. Lowest, (1) 17° at Kharkov, 24° at Odessa, 28° at Moscow, 30° at St. Petersburg; (2) 27° at Limoges, 29° at Belfort, 31° at Munich; (3) 36° at Stornoway. Exceeding 50° over the greater part of our Islands later, touching 54° at Lisbon, 59° at Croisette and Sanguinaire, and 61° at Oran.

Wind light and variable over south-eastern and southern Europe, North-Westerly to Northerly, moderate, over the Mediterranean, Easterly to North-Easterly over Spain and Portugal; South-Westerly (West to South) over the north-western and northern countries of Europe and the Baltic, and blowing hard in our Islands; South-Easterly, moderate, in the north-west of Norway. Increasing to a gale over the Baltic, Sweden, and Finland also later, and continuing to blow hard in our Islands.

Barometer highest, (1) 30.5 ins. and more to 30.4 ins. over the south-western half of the Spanish Peninsula, and exceeding 30.2 ins. over all the southern parts of France and Germany, with Switzerland; (2) 30.4 ins. and more to 30.2 ins. over the Black Sea and extreme south-east of Europe also. Lowest, about 28.5 ins. in a depression lying to the northward of the Shetlands. Latter depression moving north-eastwards later, and growing still deeper (28.2 ins. at Bodø in evening) and secondary disturbance approaching Ireland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

It will be seen on an examination of the Charts for this week that the main feature has been the continuation of high pressures over the southern, and of low over the northern countries of Europe. The gradients have been slight over the former, steep over the latter regions, and on some occasions (e.g. on the evening of the 27th) very steep indeed. The north-western and northern countries have consequently been the regions of strong Westerly (South to West and North-West) winds, rain (at times snow), thunderstorms and comparatively high temperatures, while the more southern districts have, as a rule, been quieter and fair. At times, however, some "V" shaped disturbances, secondary to the larger systems in the north, have caused disturbed weather to spread southwards over France and other parts of western Europe (especially on the 23rd), and on other occasions local depressions have appeared over the Mediterranean.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 20.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	14.2	?	26	?	EASTBOURNE	21.4	?	36	?
OSWALDKIRK (Yorkshire)	15.8	?	28	?	TENBY	12.1*	?	21*	?
WORKSOP	8.8	+ 0.5	15	0	NEWQUAY	14.0	?	23	?
THURCASTON (Leicestershire)	14.5	+ 6.3	25	+11	TORQUAY	15.3*	?	25*	?
MARGATE	22.1	?	37	?	ARLEY COTTAGE (County Cavan)	11.4	?	20	?
WESTBOURNE (Sussex)	14.0*	?	23*	?	GUERNSEY	18.9*	?	31*	?
BRIGHTON	20.2	?	34	?					

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; B. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 5.]
Third Series.

WEEK ENDING SATURDAY, 3RD FEBRUARY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 76.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	25	43.4	32.4	38.1	0 (average)	Day-deg. 4	Day-deg. - 2	Day-deg. 36	Day-deg. + 2	Day-deg. 22	Day-deg. - 14	Day-deg. 185	Day-deg. + 23
	1. SCOTLAND, EAST	53	22	42.4	30.6	36.7	1 below.	1	- 7	42	+ 4	20	- 19	227	+ 30
	2. ENGLAND, N.E.	56	28	44.7	33.7	39.4	1 above.	8	0	32	- 3	36	- 2	201	+ 18
	3. ENGLAND, EAST.	54	27	46.8	34.9	41.1	3 above.	13	+ 5	30	- 10	48	+ 11	225	+ 13
	4. MIDLAND COUNTIES.	54	26	46.5	34.9	41.0	2 above.	13	+ 3	30	- 10	54	+ 8	213	0
5. ENGLAND, SOUTH	57	31	47.6	36.9	42.5	3 above.	25	+ 13	14	- 16	71	+ 17	179	+ 19	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	53	28	44.9	34.9	40.1	1 above.	8	- 1	28	+ 1	42	- 6	152	+ 7
	7. ENGLAND, N.W.	53	25	45.8	35.7	41.0	1 above.	11	+ 3	26	- 2	54	+ 13	159	+ 9
	8. ENGLAND, S.W.	52	29	47.1	37.0	42.3	1 above.	23	+ 8	14	- 7	104	+ 30	132	+ 21
	9. IRELAND, NORTH	53	27	45.0	33.3	39.4	1 below.	8	- 6	34	+ 10	51	- 18	165	+ 41
	10. IRELAND, SOUTH	56	28	47.8	35.7	42.0	1 below.	16	- 5	18	- 1	105	+ 4	128	+ 29
	-CHANNEL ISLANDS	52	36	49.2	41.7	45.6	1 above.	26	+ 4	1	- 7	123	+ 13	71	+ 25

DISTRICTS. (See p. 26.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.					For the Week.				From December 31st, 1893.			
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of in. 27	10ths of ins. 15 more.	29	+ 3	Ins. 8.6	Ins. + 2.3	2	- 7	4	- 13	21	- 2	13	0	
	1. SCOTLAND EAST	6	12	6 more.	25	+ 6	4.1	+ 0.9	10	+ 1	18	0	45	- 9	20	- 4	
	2. ENGLAND, N.E.	5	4	1 less.	24	+ 6	1.9	- 0.3	17	+ 6	29	+ 12	53	+ 11	20	+ 5	
	3. ENGLAND, EAST.	5	5	0 (average).	23	+ 5	2.1	- 0.1	26	+ 13	43	+ 21	72	+ 17	26	+ 7	
	4. MIDLAND COUNTIES.	5	5	1 less.	27	+ 9	2.2	- 0.5	22	+ 11	36	+ 18	62	+ 16	22	+ 4	
5. ENGLAND, SOUTH	6	8	2 more.	25	+ 7	3.3	+ 0.2	25	+ 12	40	+ 21	81	+ 23	26	+ 10		
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	19	6 more.	28	+ 5	7.2	+ 0.6	13	+ 3	22	+ 6	45	+ 5	16	+ 2	
	7. ENGLAND, N.W.	6	12	6 more.	25	+ 4	3.6	+ 0.1	15	+ 7	25	+ 11	50	+ 18	21	+ 7	
	8. ENGLAND, S.W.	6	13	4 more.	26	+ 5	4.7	- 0.1	23	+ 8	36	+ 13	78	+ 18	25	+ 7	
	9. IRELAND, NORTH	7	13	6 more.	28	+ 5	5.7	+ 1.8	10	- 1	17	- 1	48	+ 4	18	+ 1	
	10. IRELAND, SOUTH	7	12	3 more.	28	+ 6	5.6	+ 0.9	15	+ 1	24	+ 1	63	0	22	0	
	-CHANNEL ISLANDS	7	8	1 more.	28	+ 5	4.9	+ 1.0	24	+ 5	37	+ 7	93	+ 17	31	+ 6	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued extremely unsettled, with frequent rains in the south and south-west, alternating with considerable bright intervals, and rain, sleet, or snow in the north and north-west. Thunder and a good deal of lightning were prevalent in our south-western and western districts, and on the night of the 2nd-3rd aurora and lightning prevailed in the north of Scotland and the west of Ireland.

Temperature was a little below the mean in most parts of Ireland and Scotland, but continued rather above it over England. The highest of the maxima occurred on February 2nd, when the thermometer rose to 57° in England S., 56° in England N.E. and Ireland S., and to between 52° and 55° elsewhere. The lowest of the minima were recorded either on January 29th or February 1st, and ranged from 22° in Scotland E., to 31° in England S., and to 36° in the Channel Islands.

Rainfall was again a little short of the mean in England N.E. and the Midland

Counties, and about equal to it in England E., but in excess in all other districts; over Scotland and the north of Ireland this excess was rather large.

Bright Sunshine exceeded the mean over the whole of England, as well as in the Channel Islands and Scotland W., while it about equalled it over Ireland and in Scotland E., and was much below it in Scotland N. The percentage of the possible duration ranged from 43 in England E., 40 in England S., and 37 in the Channel Islands, to 17 in Ireland N., and to only 4 in Scotland N.

Barometer and Wind.—The distribution of pressure over our Islands and their neighbourhood continued very similar to that of the preceding two or three weeks, large depressions skirting our western and north-western coasts, and their secondaries at times passing directly over our Islands. Fresh or strong South-Westerly to Westerly winds consequently prevailed very generally, and occasionally increased to a gale on our western and northern coasts, that of January 29th being severe in Ireland.

II.—DATA from which the SUMMARY on page 25 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	46	29	43.1	34.7	39.1	-0.2	3	28	7	1.82	+0.90	*	*	*
	Stornoway	51	26	43.4	31.4	37.6	-1.7	4	39	7	2.28	+1.17	3.0	-6.7	5
	Wick	50	28	42.4	31.4	37.1	-1.0	1	39	7	0.74	+0.26	*	*	*
	Lairg	48	25	43.0	31.1	37.3	+0.7	3	41	7	1.63	+0.85	*	*	*
	Glencarron	48	27	42.5	31.9	37.4	-0.3	1	37	7	4.95	+2.87	*	*	*
	Fort Augustus	49	25	43.4	31.0	37.5	-1.6	4	42	7	3.51	+2.49	1.4	?	?
1. SCOTLAND, E.	Fort William	55	29	46.2	35.1	40.9	+1.5	12	29	7	4.13	+1.93	2.3	?	4
	Nairn	52	28	44.6	31.3	38.2	+0.1	7	41	7	0.97	+0.37	*	*	*
	Aberdeen	51	29	42.9	32.0	37.7	-0.6	3	37	5	0.60	+0.08	14.7	+0.4	26
	Braemar	46	22	37.7	28.8	33.4	-1.8	0	60	6	1.93	+1.18	3.51	?	61
	Ochertyre	49	25	43.3	29.6	36.6	-0.4	3	46	6	1.91	+0.81	*	*	*
	Leith	53	29	43.9	31.9	38.1	-1.6	5	38	7	1.98	+0.68	*	*	*
2. ENGLAND, N.E.	Marchmont	49	26	42.1	29.7	36.2	-1.1	9	45	6	0.74	+0.14	16.0	?	28
	Alnwick Castle	50	30	45.3	34.3	38.8	+0.6	3	29	6	0.52	+0.04	*	*	*
	Durham	55	28	44.5	32.6	38.8	+1.1	7	36	4	0.18	-0.24	18.6	+6.6	32
	Shields	56	30	46.1	33.4	40.0	+0.8	11	35	6	0.28	-0.12	*	*	*
	Scarborough	52	18	44.2	33.0	38.8	-0.3	6	34	4	0.46	0.00	*	*	*
	York	53	29	46.3	33.9	40.4	+1.8	12	33	3	0.42	-0.03	15.6	+6.4	26
3. ENGLAND, E.	York Head	51	32	44.0	35.1	39.7	+1.1	6	27	4	0.32	-0.01	*	*	*
	Hillington	53	27	46.5	35.1	41.0	+2.9	13	29	4	0.39	-0.05	26.2	+13.9	43
	Yarmouth	53	30	45.9	34.1	40.2	+1.8	11	32	6	0.37	-0.08	*	*	*
	Geldeston	54	28	47.5	34.4	41.2	+2.1	15	32	6	0.61	+0.24	26.9	+12.9	43
	Cambridge	54	28	47.6	34.6	41.4	+2.8	16	32	5	0.28	-0.12	25.3	+12.3	41
	Rothamsted	52	31	46.6	36.3	41.7	+3.7	13	25	5	0.61	+0.03	26.5	?	43
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	54	26	46.7	33.0	40.1	+1.5	13	37	3	0.11	-0.29	*	*	*
	Loughborough	54	28	47.6	34.7	41.4	+2.6	16	31	4	0.31	-0.18	*	*	*
	Stamford (Ketton Hall)	52	28	47.4	34.9	41.4	+2.5	15	30	5	0.32	-0.06	*	*	*
	Cheadle	51	29	45.0	34.7	40.1	+2.9	8	29	5	0.50	-0.08	*	*	*
	Churchstoke	52	30	46.5	35.8	41.4	+2.7	13	27	6	0.78	+0.13	22.5	+10.3	37
	Hereford	54	31	47.0	35.2	41.3	+1.9	14	29	6	0.60	+0.03	25.8	+12.7	42
5. ENGLAND, S.	Cirencester	51	29	45.0	34.3	39.9	+1.5	8	31	5	0.71	+0.03	26.6	+15.0	43
	Oxford	53	32	46.9	36.6	42.0	+2.3	14	15	5	0.54	+0.02	*	*	*
	London	53	32	48.0	37.0	42.7	+2.3	26	14	5	0.74	+0.27	19.61	+11.81	321
	North Foreland	52	34	47.3	37.1	42.4	+2.5	23	14	6	0.59	?	*	*	*
	Stratfield Turgiss	57	32	47.3	35.3	41.5	+2.5	15	29	7	0.85	+0.31	*	*	*
	Dungeness	51	32	47.1	37.0	42.3	+2.3	23	14	6	0.62	+0.05	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonard's)	51	33	48.0	35.4	42.0	+1.7	17	18	4	0.73	+0.14	26.4	+10.6	42
	Southampton	53	33	46.5	38.2	44.1	+3.8	31	11	5	0.88	+0.18	26.2	+13.2	42
	Hurst Castle	50	36	47.6	40.1	44.0	+3.1	22	5	5	0.68	+0.03	*	*	*
	Stowell	51	31	45.8	35.3	40.8	+1.8	11	28	7	1.37	?	*	*	*
	Laudale (Loch Sunart)	53	28	47.9	33.5	41.0	+0.7	17	36	7	2.24	+0.31	*	*	*
	Glasgow	50	29	43.7	34.4	39.2	+0.2	5	29	7	1.92	+0.99	6.2	-1.9	11
7. ENGLAND, N.W.	Ardrossan	48	32	43.4	35.9	39.8	-0.7	4	23	7	1.25	+0.33	*	*	*
	Glenlee	49	28	43.0	34.3	38.8	+1.1	3	29	6	3.06	+1.46	*	*	*
	Douglas (Isle of Man)	51	32	46.6	36.6	41.8	+1.2	13	24	7	1.12	+0.12	19.9	+6.8	32
	Stonyhurst	50	25	43.5	34.0	38.9	+0.2	4	30	7	1.53	+0.66	15.7	+4.9	26
	Blackpool	51	29	46.3	35.9	41.3	+2.5	12	26	6	1.20	+0.54	15.8	+5.3	26
	Manchester	53	28	45.5	34.8	40.4	+1.8	10	29	6	1.17	+0.56	8.01	?	131
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	52	33	45.9	36.4	41.3	+1.1	11	23	6	0.81	+0.37	*	*	*
	Llandudno	52	33	48.2	37.4	43.0	+1.3	26	13	6	1.02	+0.42	20.9	+9.0	34
	Holyhead	50	31	45.6	35.6	40.8	-1.3	10	26	6	1.52	+0.82	*	*	*
	Llandovery	50	29	46.0	33.0	39.8	-1.4	11	36	6	1.80	+0.68	*	*	*
	Pembroke	49	32	46.3	38.1	42.4	-0.1	19	11	6	0.73	-0.05	18.9	+3.9	30
	Bristol (Montpelier)	52	35	47.3	38.5	43.1	+3.2	22	10	6	1.11	?	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	49	31	45.1	35.9	40.3	+0.4	9	28	7	1.83	+0.84	*	*	*
	Cullompton	52	31	47.3	36.1	41.9	+1.5	15	26	6	1.55	+0.83	19.8	+8.0	31
	Falmouth	51	35	48.7	40.0	44.5	+0.5	26	6	6	1.42	+0.25	23.1	+8.6	36
	Plymouth	51	35	49.4	38.9	44.4	+2.1	30	9	6	1.03	+0.19	24.1	+11.0	38
	Prawle Point	50	34	46.4	36.4	41.6	-0.5	12	24	6	0.98	+0.33	*	*	*
	Malin Head	51	32	44.6	34.7	39.9	-1.5	7	29	6	0.80	?	*	*	*
10. IRELAND, S.	Londonderry	51	30	45.2	33.6	39.6	-1.0	9	33	7	1.86	+0.99	*	*	*
	Edenfel (Omagh)	51	27	42.7	31.6	37.4	-2.1	2	39	6	1.59	+0.87	*	*	*
	Belmullet	51	30	47.4	35.7	41.8	-0.8	15	28	7	1.81	?	*	*	*
	Markree Castle	53	29	47.4	33.5	40.7	+0.4	15	35	7	1.34	+0.60	10.3	-1.8	17
	Brookeborough	51	28	44.8	33.6	39.4	+0.2	8	33	7	1.41	+0.51	*	*	*
	Armagh	52	29	44.1	33.6	39.1	-0.3	6	33	5	1.10	+0.49	11.6	-1.0	19
CHANNEL ISLANDS	Domaghadee	53	28	44.3	31.0	37.9	-3.0	6	42	7	0.71	+0.08	*	*	*
	Edgeworthstown	51	23	44.4	32.6	38.7	-1.0	7	36	7	0.95	+0.27	*	*	*
	Dublin	56	31	47.5	36.0	42.0	-0.1	15	17	6	0.75	+0.25	20.2	+6.2	33
	Parsonstown	53	30	46.1	33.0	39.8	-1.0	11	36	6	0.92	+0.29	12.3	-1.4	20
	Kilkenny	53	28	46.0	32.7	39.6	-2.3	11	37	7	1.00	+0.25	*	*	*
	Waterford	52	30	46.9	34.2	40.8	-2.4	14	32	6	0.78	-0.24	*	*	*
10. IRELAND, S.	Roche's Point	52	33	47.6	36.4	42.2	-1.7	25	16	7	1.28	+0.07	*	*	*
	Valencia	53	33	49.7	38.4	44.3	-0.8	31	10	7	1.40	0.00	11.6	-3.7	19
	Killarney	54	30	50.2	36.5	43.6	-0.4	34	15	7	2.11	?	*	*	*
	Foynes	54	32	48.5	38.0	43.5	+0.6	27	11	7	1.55	?	*	*	*
	Scilly (St. Mary's)	52	36	49.3	41.0	45.3	-0.6	27	3	7	0.75	-0.05	*	*	*
	Jersey	52	39	49.0	42.3	45.8	+3.2	27	0	7	0.89	+0.21	22.7	+4.9	35

Stations marked *all* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

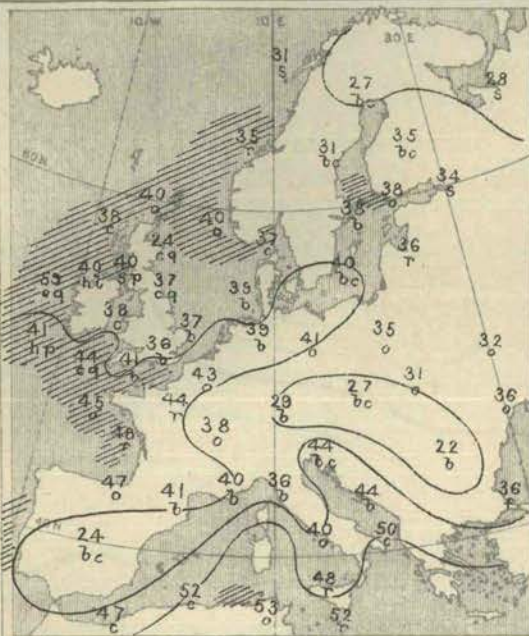
* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 28th January.

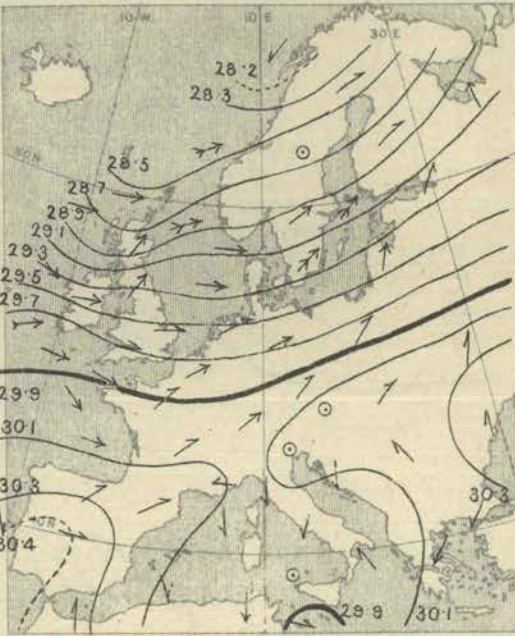
Temperature and Weather.

8 a.m.

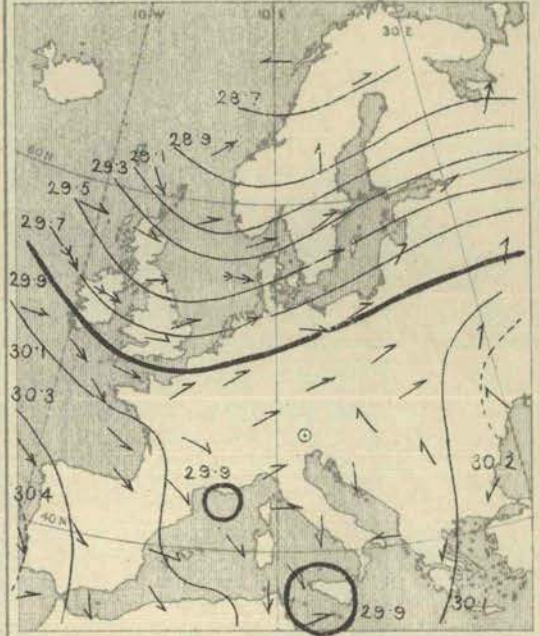


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of England, as well as in Sweden, Denmark, the Netherlands, the south of France, and northern Italy. Cloudy or overcast elsewhere, with rain in France, hail showers in Ireland, and snow or sleet in many parts of Scotland, as well as at some of the Norwegian and Russian stations. Showers of hail or sleet falling during day in most parts of western Europe, and rain in the south of Italy. Thunder and lightning occurring at Valencia, and lightning seen at several of our southern stations at night.

Temperature fallen considerably in our Islands, as well as in Austria, but changed irregularly elsewhere. Morning readings highest, 53° at La Calle and Tunis, and 52° at Sanguinaire, Algiers, and Malta; above 45° at several of the Mediterranean stations and also in the west of France. Lowest, 22° at Vienna and Hermanstadt, 24° at Madrid and Kharkov, 27° at Haparanda and Cracow, and 28° at Archangel and Nicolaieff, very little above the freezing point over central Ireland and the east of Scotland. Daily maxima below 40° at several of our western and northern stations, and below 45° in most other parts of the Kingdom; frost occurring in many places at night.

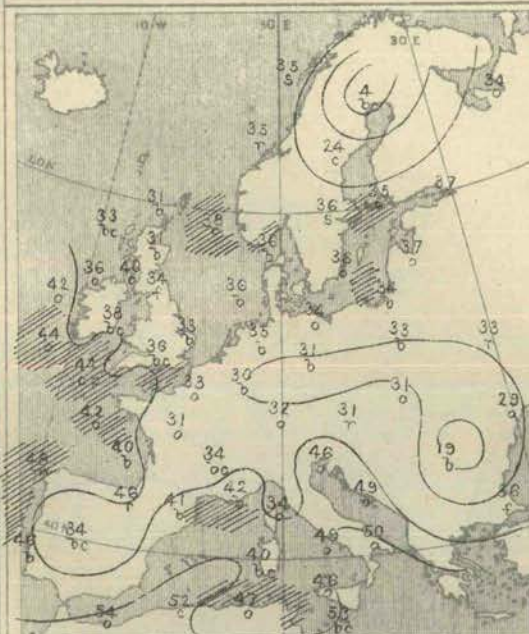
Wind Westerly or South-Westerly over all but the extreme southern parts of Europe, with gales on our own western coasts, as well as at the Scandinavian stations. Light to moderate from the Northward or North-Eastward in Italy and also in Algeria and Tunis. Subsequently veering to the North-Westward in the west and north of our Islands; gale continuing over the Irish Sea and the north of Ireland, but subsiding gradually elsewhere.

Barometer highest, 30.4 ins. and upwards in an anticyclone over the southern parts of the Spanish Peninsula, 30.3 ins. and upwards in another system over the Black Sea and the south of Russia. Lowest, 28.2 ins. and less in a depression over the north-west of Norway (gradients steep over all the north-western and northern countries); 29.9 ins. and less in a shallow disturbance lying to the southward of Sicily. Depression in far north subsequently moving eastwards and partially filling up. Barometer rising rapidly over our Islands and Norway.

Monday, 29th January.

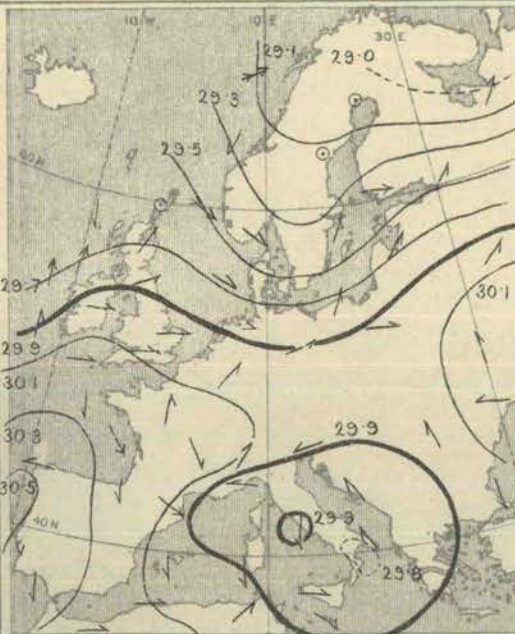
Temperature and Weather.

8 a.m.

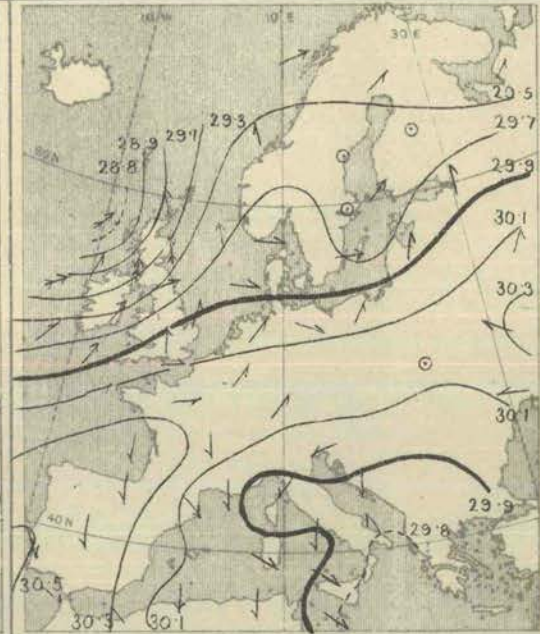


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of the United Kingdom, but dull on our extreme western coasts. Fine and bright in Denmark, as well as over the southern parts of France and Spain; cloudy in most other parts of the Continent, with rain in a few isolated localities, and with snow at Bodø, as well as at Aumale. Rain setting in later over the west of our Islands and extending quickly to all parts of the Kingdom, as well as to the Netherlands and the west and north of France. Lightning seen at Roche's Point at night.

Temperature changed rather irregularly, but fallen in most places. Morning readings highest, 54° at Nemours, 53° at Malta, 52° at Algiers, and 51° at Oran; above 45° over the Mediterranean and Adriatic generally, as well as on the coasts of the Spanish Peninsula. Lowest, (1) 4° at Haparanda, 16° at Uleaborg, and 24° at Hernösand; (2) 19° at Hermanstadt, 22° at Kharkov, and 25° at Nicolaieff; below the freezing point over the greater part of Germany, as well as in central Ireland and the north and east of Scotland. Rising during day to 45° and upwards over England and Ireland generally, and reaching 50° or more on our extreme south-west coasts; exceeding 55° in the southern parts of Spain and Italy.

Wind strong from the Southward in the west of Ireland, but light to moderate from the South-Westward or Westward in most other parts of the United Kingdom, as well as over Denmark, Germany, and the Baltic. Strong to a gale from West or North-West in the west of Norway. Northerly or North-Westerly over the greater part of France, Spain, and Italy, Easterly in Austria. Southerly in Russia, Westerly or South-Westerly in Algeria. Subsequently backing to the South-Westward or Southward, and increasing to a gale in all parts of our Islands; Northerly gale setting in at Barcelona and Algiers.

Barometer highest, 30.5 ins. and upwards in an anticyclone lying off the Portuguese coasts, 30.3 ins. and upwards in another area over the south of Russia. Lowest, 29.0 ins. and less in a large depression over the White Sea and the Kola Peninsula, 29.8 ins. and less in the west of Ireland, and also in a disturbance over the south of Italy. Deep depression approaching our north-west coasts later, and barometer falling rapidly in all the more western and northern parts of the Kingdom; fall at Stornoway between 2 p.m. and 6 p.m. amounting to as much as 0.55 in.

Tuesday, 30th January.

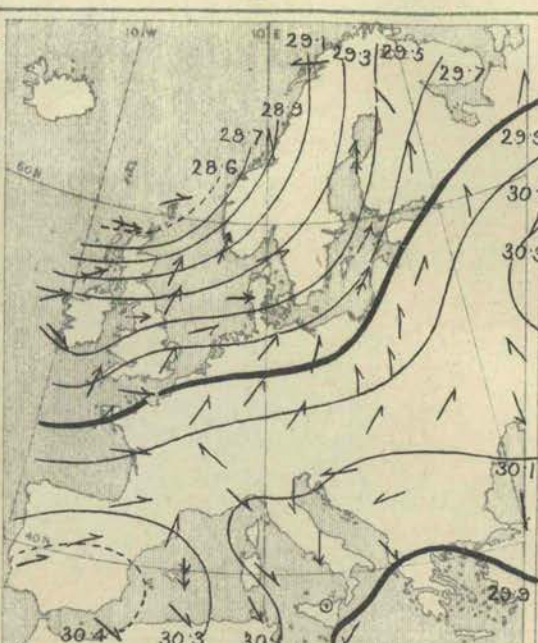
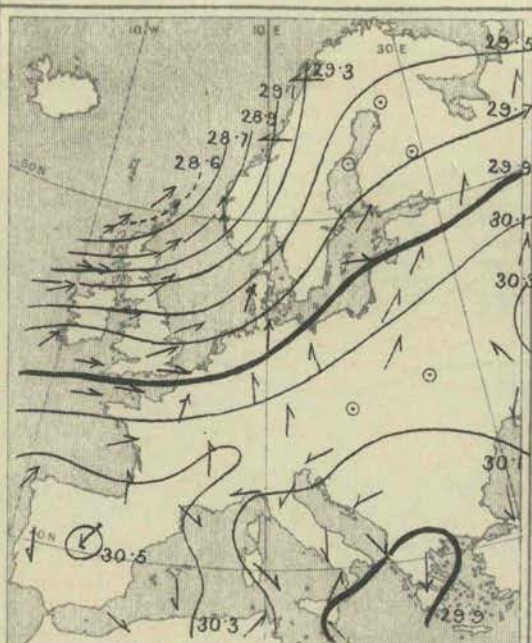
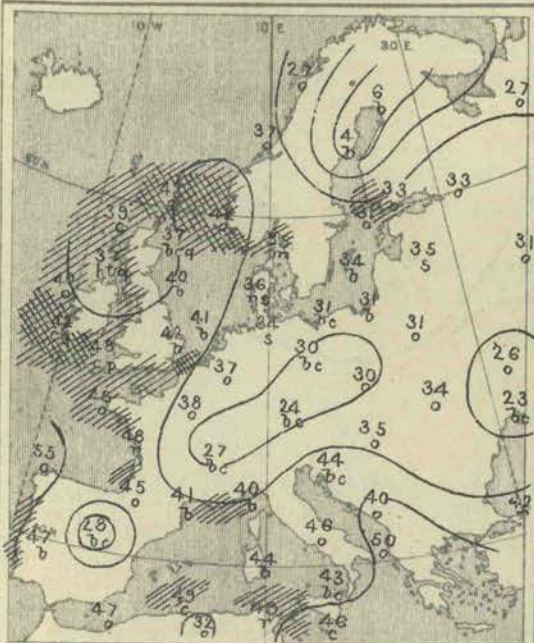
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine over the greater part of England, but showery in the western and northern parts of our Islands, with snow at Leith. Fine and bright in Sweden, Austria, south Germany, northern Italy, and the southern parts of France and Spain, but dull in other parts of the Continent, with rain at some of the French stations, snow or sleet in Denmark. Rain, hail, or sleet falling later over western Europe generally, the amounts being large in the extreme west of our Islands and also in the north of France. Thunderstorms occurring at night at Leith and Scilly, and lightning seen at Skudesnaes and Prawle Point.

Temperature risen in our Islands and France, but fallen in most other countries. Morning readings highest, 56° at Malta, 55° at Corunna, 51° at Oran, and 50° at Lésina and Brindisi; above 45° over the English Channel and Bay of Biscay. Lowest, (1) 4° at Hernösand, 6° at Haparanda, 10° at Uleaborg, and 27° at Bodö and Archangel; (2) 23° at Odessa and 24° at Nicolaieff; (3) 24° at Munich, and 27° at Lyons. Daily maxima below 40° in the north of our Islands, but thermometer rising to between 45° and 50° at our central and southern stations, and exceeding 50° in most parts of southern Europe.

Wind strong to a gale from the South-Westward over our Islands and the Netherlands, and from the Southward on the eastern shores of the North Sea. Light to moderate from the Southward or South-Westward over the greater part of France, Germany, and the Baltic. Light from the South-Eastward or Eastward in the south of Russia. North-Easterly over the Adriatic and northern Italy; Northerly or North-Westerly in the south of Italy and also in Algeria. Variable in the south of France; North-Easterly in Spain. Wind moderating later over Ireland and England, but continuing to blow a gale in Scotland, and increasing considerably in Sweden.

Barometer highest, 30.5 ins. and upwards over central Spain; 30.3 ins. and upwards over the southern parts of Russia. Lowest, 28.6 ins. and less in a deep depression lying off the north of Scotland (gradients steep over the greater part of north-western Europe), 29.9 ins. and less in a large shallow area lying to the southward of Italy. Depression in north remaining almost stationary during day, but "V" shaped secondary disturbance appearing over Ireland.

Wednesday, 31st January.

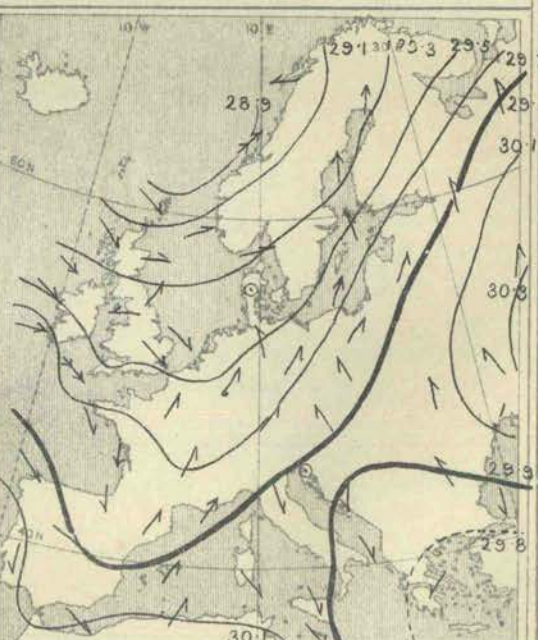
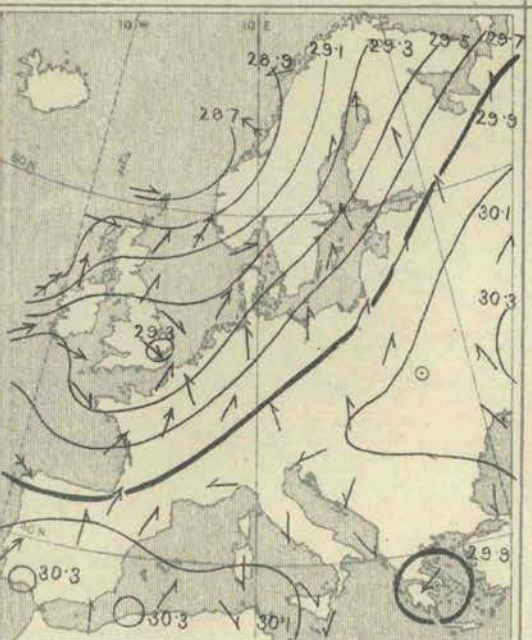
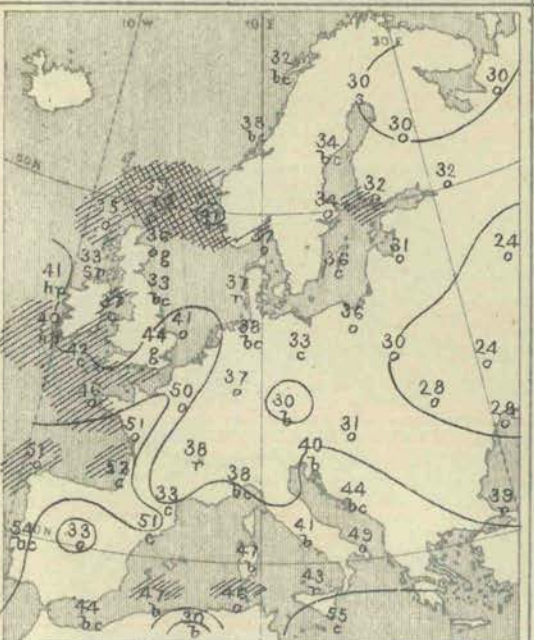
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather very unsettled over nearly the whole of our Islands and the Continent, with rain over the south-east of England, the Netherlands, and many parts of France, and with snow or hail at several of our own western stations, as well as at Haparanda. Fine and bright over the Adriatic, central Italy, and the extreme southern parts of France and Spain. Snow, sleet, or hail falling later over the greater part of western and northern Europe. Lightning seen at Prawle Point at night.

Temperature risen in Scandinavia, Denmark, Germany, France, and Spain, but fallen in most other countries. Morning readings highest, 55° at Malta, 54° at Lisbon, and 52° at Biarritz and Patras; above 45° at several of the Mediterranean stations, as well as in the west of France and the Channel Islands. Lowest, 24° at Moscow, Kiev, and Kharkov, and 28° at Lemberg and Odessa; below the freezing point over nearly the whole of Russia and Austria, as well as in the eastern and central parts of Ireland. Daily maxima below 40° at most of our northern and north-western stations, and below 45° on all but our extreme south coasts. Frost occurring in many parts of Great Britain at night.

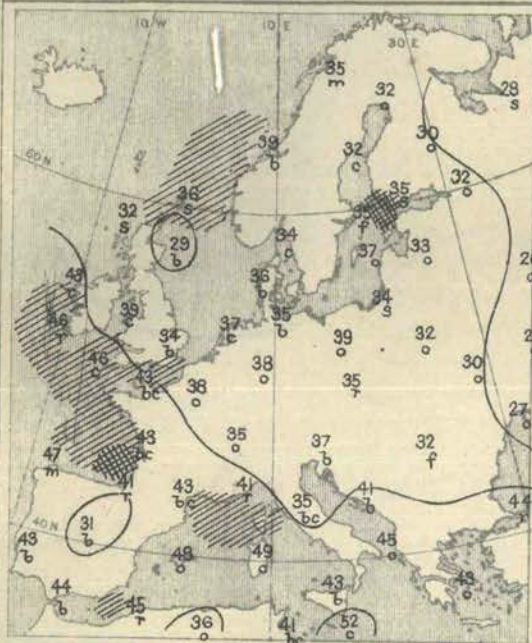
Wind Westerly or South-Westerly over the greater part of the United Kingdom, with a gale in the west of Ireland, but light from the North-Westward over central England. Moderate to strong from the South-Westward or Southward over Sweden, Denmark, Germany, France, and the greater part of the Spanish Peninsula, but North-Westerly at Corunna. Strong to a gale from the Southward or South-Eastward in Norway. Light from the Eastward or South-Eastward in the south of Russia; Northerly or North-Westerly in Italy; variable in Algeria and the south of France. Subsequently shifting to the North-Westward, and increasing to a strong gale in the south of Ireland and the south-west of England.

Barometer highest, 30.3 ins. and upwards over central Russia, 30.2 ins. and upwards over Algeria and the central and southern parts of Spain. Lowest, 28.7 ins. and less in a large depression lying to the northward of our Islands, 28.9 ins. and less in another system off the west of Ireland; 29.3 ins. and less in a small shallow system over the south-east of England, 29.9 ins. and less over Greece. Depression off west of Ireland subsequently advancing eastwards to north Wales, but becoming much shallower.

Thursday, 1st February.

Temperature and Weather.

8 a.m.

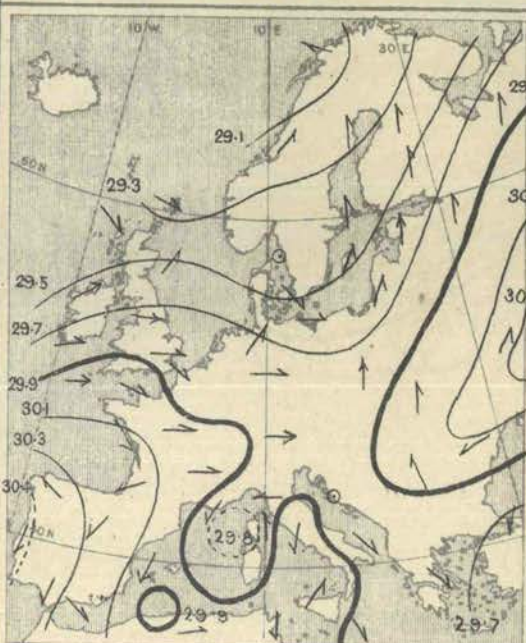


Weather fine and bright in most parts of Great Britain, as well as over Denmark and the greater part of southern Europe. Cloudy or overcast elsewhere, with rain in the west of Ireland, as well as in some parts of Germany and the south of France, and with snow in the Shetlands and Hebrides. Snow falling also at Archangel and Memel. Rain falling later in nearly all parts of western Europe, but amounts mostly slight.

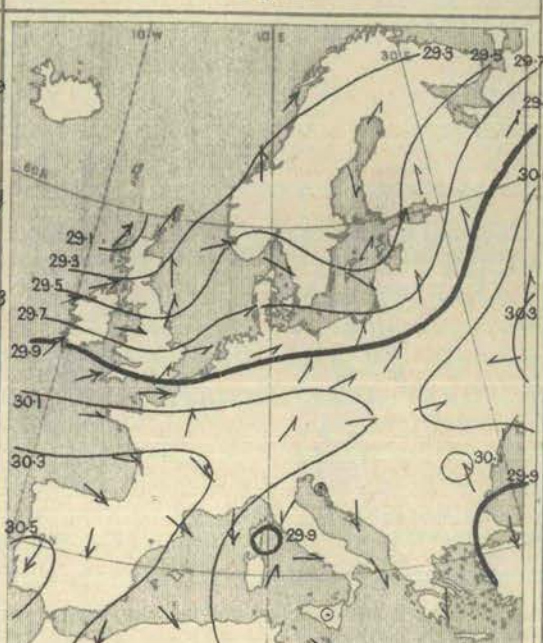
Temperature risen a little in the west of our Islands, as well as over Finland and the Baltic, fallen in most other localities. Morning readings highest, 52° at Sanguinaires and Malta, 50° at Algiers, and 49° at Cagliari; slightly above 45° on our own extreme south-west coasts. Lowest, 14° at Kharkov, 23° at Kiev, 25° at Archangel, and 26° at Moscow; below the freezing point in the north of Scotland, and very little above it over the eastern and central parts of England. Brisk rise taking place later in the west of our Islands and spreading quickly eastwards; thermometer exceeding 50° on our extreme west and south-west coasts, as well as over the greater part of southern Europe.

Barometer and Wind.

8 a.m.



6 p.m.



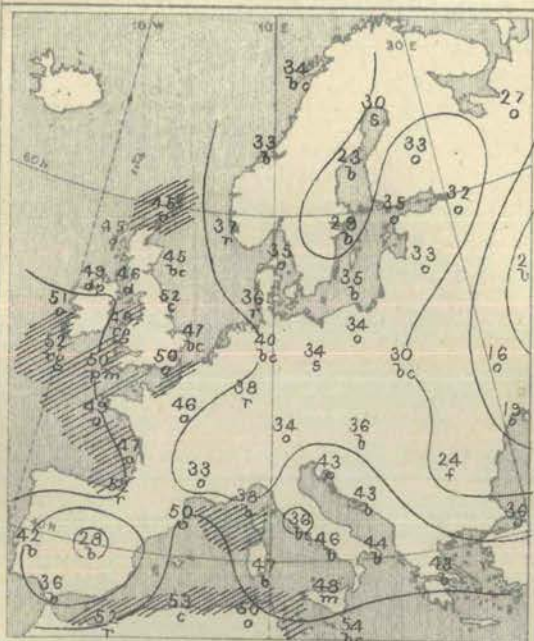
Wind light to fresh from the South-Westward or Westward over our Islands, the Netherlands, and Germany, Southerly over Sweden, Poland, and the northern and central parts of Russia, with a slight gale at the mouth of the Gulf of Finland. North-Westerly or Northerly over Italy and the west and south of France; Northerly or North-Easterly in Spain, Westerly in Algeria. Subsequently increasing in force in many parts of the United Kingdom, and reaching a gale in the Straits of Dover; no important change occurring over the Continent.

Barometer highest, 30.4 ins. and upwards in an anticyclone lying off the Portuguese coasts; 30.3 ins. and upwards in another area over central Russia. Lowest, 29.1 ins. and less in a depression off the north-west of Norway, 29.5 ins. and less in another off the north-west of Ireland, 29.7 ins. and less in a third over Asia Minor, and 29.8 ins. and less in a fourth lying near Toulon. Depression off our north-west coasts subsequently spreading eastwards, and barometer falling rather briskly over the northern parts of the United Kingdom.

Friday, 2nd February.

Temperature and Weather.

8 a.m.

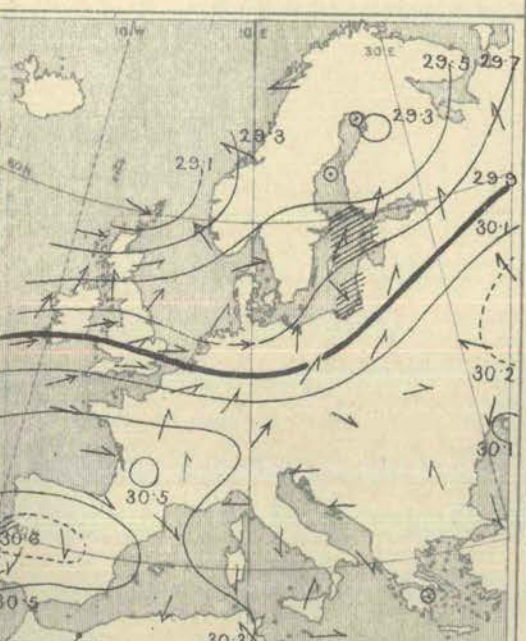


Weather cloudy or overcast in most parts of our Islands, with rain at several of our western and northern stations. Fine and bright over southern Europe generally, as well as in Sweden and eastern Germany; dull in most other parts of the Continent, with rain or snow at many of the northern and central stations. Rain falling later in all but the north-eastern parts of our Islands, as well as in Germany, the Netherlands, and the north of France. Lightning and brilliant aurora seen in the north of Scotland at night. Aurora at Belmullet and lightning only at Roche's Point.

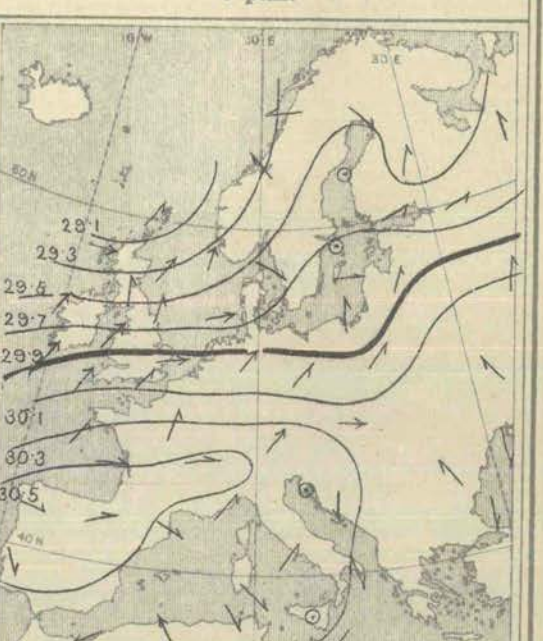
Temperature risen quickly in our Islands, but changed irregularly on the Continent. Morning readings highest, (1) 54° at Malta, and 53° at Oran and Algiers; (2) 52° at Shields, York, and Valencia (Ireland); above 45° in all but the extreme northern parts of the United Kingdom. Lowest, 2° at Moscow, 6° at Kharkov, 16° at Kiev, and 19° at Odessa; below the freezing point over Sweden, Russia, and Austria generally, as well as in central Spain. Rising during day to 50° or more over nearly the whole of our Islands and France, and reaching 56° at Shields and 59° at Perpignan. Exceeding 60° in Sicily and the south of Spain.

Barometer and Wind.

8 a.m.



6 p.m.



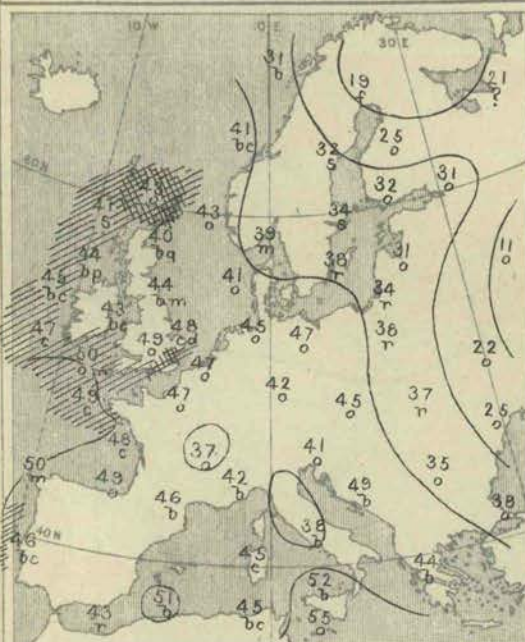
Wind South-Westerly or Westerly in all parts of north-western and central Europe, and strong in force on the more exposed parts of our western coasts; South-Easterly in the west of Norway, calm in Sweden; Southerly over the northern and central parts of Russia, North-Easterly in the south of that country. Light from the Northward in most of the southern countries, as well as in Algeria. Subsequently increasing to a moderate gale from the South-Westward on our extreme west and north-west coasts; no important change occurring elsewhere, but wind veering to the Southward in the west of Norway.

Barometer highest, 30.5 ins. to 30.6 ins. and upwards in an anticyclone lying over the Spanish Peninsula; 30.2 ins. over the central and southern parts of Russia. Lowest, 29.1 ins. and less in a depression lying to the northward of our Islands; 29.3 ins. and less in a small system near Uleaborg. Ill-defined secondary systems appearing later off our north-west coasts, and barometer falling a little in most parts of the United Kingdom.

Saturday, 3rd February.

Temperature and Weather.

8 a.m.

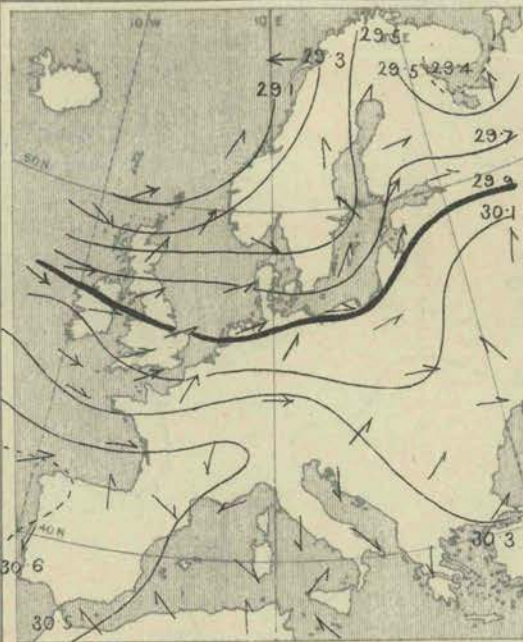


Weather fine over the western and northern parts of the United Kingdom generally, but snow or sleet falling in the north of Scotland; dull and rainy in the extreme south-east of England. Dull over the greater part of the Continent, with rain at Memel, Münster, and Budapest, and with snow at some of the Swedish stations; fine in Spain, Italy, and the south of France. A little rain falling during day in many parts of western and central Europe, and snow occurring over northern Russia.

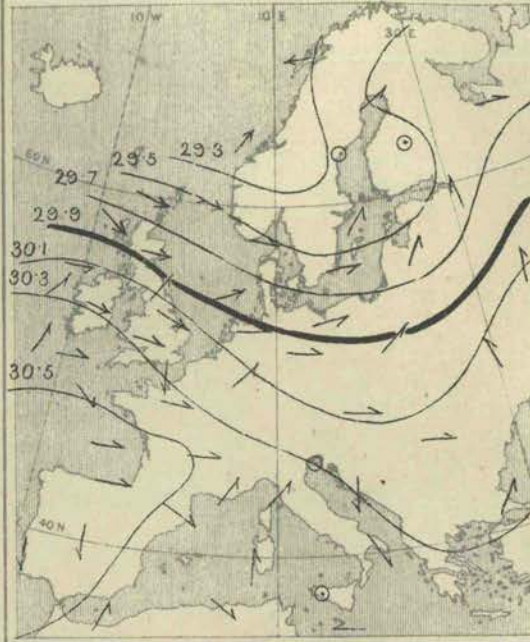
Temperature fallen in our Islands and also over northern Russia, but risen elsewhere. Morning readings highest, 55° at Malta, 52° at Palermo, and 51° at Sanguinaires, Barcelona, and Algiers; ranging from 45° to 50° in the southern parts of the United Kingdom. Lowest, 10° at Kharkov, 11° at Moscow, 15° at Uleaborg, and 19° at Haparanda; below the freezing point over Russia generally, as well as over the northern parts of Scandinavia. Rising during day to 50° or a little above it at several of our own stations, exceeding 55° in many parts of southern Europe, and reaching 64° at Oporto and Lisbon. Ground frost occurring over the south-east of England at night.

Barometer and Wind.

8 a.m.



6 p.m.



Wind Westerly over our Islands and the west and north of France, and strong in force on our extreme north and north-west coasts. Moderate to strong from the South-Westward over Denmark and Germany; Southerly in Scandinavia and northern Russia. Variable in Spain and the south of France; Northerly in Italy; Southerly or South-Easterly in Algeria. Subsequently increasing to a moderate gale from the Westward in the north of Scotland, and to a fresh gale in the south of Norway.

Barometer highest, 30.6 ins. and upwards in Portugal; 30.3 ins. and upwards over the whole of southern and a portion of central Europe. Lowest, 29.1 ins. and less in a depression lying to the northward of our Islands; 29.4 ins. and less in another system over the White Sea. Former disturbance subsequently moving north-eastwards, and latter disappearing entirely, but new depression beginning to approach our western coasts in evening.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b— = blue sky; —c— = detached clouds; —o— = overcast; —m— = misty (hazy); —f— = foggy; —q— = squally; —r— = rain; —h— = hail; —s— = snow; —l— = lightning; and —t— = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The distribution of pressure was almost precisely similar to that noticed in the preceding week, the barometer being highest over southern Europe and the Mediterranean, and lowest in a series of large depressions which skirted our extreme northern coasts and passed on to Scandinavia and northern Russia. Variable breezes and fair weather were, therefore, prevalent, as a rule, over the southern countries, but in the northern and north-western parts of Europe the wind was strong to a gale from the South-Westward or Westward, with frequent falls of rain, interspersed by bright intervals. On the 30th and 31st January, two or three well-marked secondary depressions appeared over our Islands, and, in the rear of one of these, which advanced over Ireland on the 31st, the wind increased to a strong gale from the North-Westward on our south-west coasts.

The fluctuations in temperature over our Islands were considerable, but, upon the whole, the weather was fairly mild for the time of year.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 26.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	6.1	?	11	?	EASTBOURNE	27.6	?	44	?
OSWALDKIRK (Yorkshire)	17.5	?	29	?	TENBY	26.6*	?	43*	?
WORKSOP	15.8	+ 5.2	26	+ 9	NEWQUAY	20.4	?	32	?
THURCASTON (Leicestershire)	19.1	+ 9.4	31	+15	TORQUAY	28.1*	?	44*	?
MARGATE	24.7	?	39	?	ARLEY COTTAGE (County Cavan)	8.5	?	14	?
WESTBOURNE (Sussex)	24.7*	?	39*	?	GUERNSEY	24.7*	?	38*	?
BRIGHTON	24.9	?	40	?					

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, 10TH FEBRUARY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number.

TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90.

RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only.

BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 32.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°.	Difference from Mean.	Below 42°.	Difference from Mean.	Above 42°.	Difference from Mean.	Below 42°.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	30	45.0	36.4	40.7	2 above.	Day-deg. 8	Day-deg. + 3	Day-deg. 22	Day-deg. - 12	Day-deg. 30	Day-deg. - 11	Day-deg. 207	Day-deg. + 11
	1. SCOTLAND, EAST	55	29	49.9	35.8	41.4	4 above.	14	+ 5	25	- 12	34	- 14	252	+ 18
	2. ENGLAND, N.E.	57	33	49.5	38.7	44.1	5 above.	29	+ 20	9	- 24	65	+ 18	210	- 6
	3. ENGLAND, EAST.	57	30	51.5	37.5	44.5	6 above.	36	+ 27	13	- 24	84	+ 38	238	- 11
	4. MIDLAND COUNTIES.	59	29	51.5	38.5	45.0	6 above.	36	+ 25	10	- 26	90	+ 33	223	- 26
	5. ENGLAND, SOUTH	55	33	50.3	40.6	45.5	5 above.	30	+ 17	4	- 23	101	+ 34	183	- 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	54	34	47.3	39.7	43.5	4 above.	20	+ 11	6	- 20	62	+ 5	158	- 13
	7. ENGLAND, N.W.	56	34	50.0	41.3	45.7	5 above.	29	+ 20	2	- 25	83	+ 33	161	- 16
	8. ENGLAND, S.W.	54	30	50.3	42.0	46.2	5 above.	29	+ 13	0	- 21	133	+ 43	132	- 0
	9. IRELAND, NORTH	56	32	50.2	39.5	44.8	4 above.	30	+ 16	7	- 17	81	- 2	175	+ 24
	10. IRELAND, SOUTH	60	34	52.8	42.8	47.8	5 above.	41	+ 20	0	- 18	146	+ 24	128	+ 11
	—CHANNEL ISLANDS	53	39	51.5	45.4	48.4	4 above.	45	+ 23	0	- 7	168	+ 36	71	+ 18

DISTRICTS. (See p. 32.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	31	10ths of in. 20 more.	36	+ 5	11.7	+ 4.3	6	+ 1	10	0	27	- 2	14	- 1
	1. SCOTLAND, EAST	7	14	8 more.	32	+ 9	5.5	+ 1.7	17	+ 10	28	+ 16	62	+ 1	24	0
	2. ENGLAND, N.E.	3	5	1 more.	27	+ 6	2.4	- 0.2	13	+ 2	21	+ 3	66	+ 13	20	+ 4
	3. ENGLAND, EAST.	3	1	3 less.	26	+ 4	2.2	- 0.5	17	+ 3	26	+ 5	89	+ 20	26	+ 6
	4. MIDLAND COUNTIES.	4	3	2 less.	31	+ 9	2.5	- 0.7	11	- 2	17	- 3	73	+ 14	21	+ 4
	5. ENGLAND, SOUTH	4	3	3 less.	29	+ 7	3.6	0.0	10	- 4	15	- 5	91	+ 19	24	+ 7
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	24	12 more.	35	+ 7	9.6	+ 1.9	14	+ 2	22	+ 3	59	+ 7	18	+ 3
	7. ENGLAND, N.W.	6	15	9 more.	31	+ 6	5.1	+ 1.0	7	- 4	11	- 6	57	+ 13	20	+ 4
	8. ENGLAND, S.W.	6	8	1 less.	32	+ 6	5.5	- 0.1	9	- 8	14	- 11	87	+ 10	22	+ 3
	9. IRELAND, NORTH	6	16	9 more.	34	+ 6	7.3	+ 2.8	16	+ 3	26	+ 5	64	0	19	0
	10. IRELAND, SOUTH	6	6	3 less.	34	+ 7	6.2	+ 0.6	14	- 2	22	- 2	77	- 1	22	0
	—CHANNEL ISLANDS	6	2	5 less.	34	+ 6	5.1	+ 0.5	12	- 8	17	- 11	105	+ 9	29	+ 3

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued mild and unsettled in all parts of the Kingdom. Very heavy rain was experienced over Scotland, the north of Ireland, and the north-west of England, but over the more southern and eastern districts the falls were slight and less frequent.

Temperature was above the mean—the excess ranging from 2° in Scotland N., to 4° in the other Scotch districts and Ireland N., and to as much as 5° or 6° elsewhere. The highest of the maxima were recorded, as a rule, on the 7th, and ranged from 60° in Ireland S., and 59° in the Midland Counties, to 53° in the Channel Islands, and to 52° in Scotland N. The lowest of the minima (registered on rather irregular dates) varied between 29° in Scotland E. and the Midland Counties and 39° in the Channel Islands.

Rainfall was much more than the mean over Scotland, as well as in England N.W. and Ireland N., and slightly exceeded it in England N.E., but in all other districts there was a deficit.

Bright Sunshine was rather more prevalent over Ireland and Scotland than it was during the preceding week, but less so over England. The percentage of the possible duration ranged from 23 in Scotland E. and 26 in England E. and Ireland N., to 11 in England N.W. and to 10 in Scotland N.

Barometer and Wind.—Large depressions continued to skirt our extreme north-western and northern coasts on their passage from the Atlantic to Scandinavia, and slight secondaries occasionally travelled over the northern parts of our Islands. During the earlier part of the week the tracks of the systems lay far to the northward of our coasts, but later they lay further south, so that the strong South-Westerly to Westerly winds and gales, which at first were felt over our more northern districts only, spread gradually southwards to all parts of the Kingdom.

II.—DATA from which the SUMMARY on page 31 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	49	32	44.3	38.9	41.6	+ 2.6	6	12	7	1.50	+0.68	*	*	*	*
	Stornoway	51	32	45.7	36.4	41.1	+ 1.8	10	23	7	1.98	+0.93	12.6	+ 0.4	21	0
	Wick	49	30	43.9	34.7	39.3	+ 1.3	5	27	6	0.85	+0.35	*	*	*	*
	Lairg	52	30	43.6	33.7	38.7	+ 2.2	4	31	7	1.24	+0.48	*	*	*	*
	Glencarron	49	31	44.7	35.0	39.9	+ 2.4	8	27	7	4.99	+3.09	*	*	*	*
	Fort Augustus	52	33	45.8	36.5	41.2	+ 2.5	11	22	7	5.35	+4.37	2.8	?	5	?
1. SCOTLAND, E.	Fort William	52	35	47.0	39.6	43.3	+ 4.1	19	7	7	6.01	+3.90	1.6	?	3	?
	Nairn	54	30	47.0	36.3	41.7	+ 3.5	14	24	7	1.57	+1.17	*	*	*	*
	Aberdeen	54	33	48.0	37.4	42.7	+ 4.4	24	13	6	0.18	-0.39	25.9	+10.3	42	+16
	Braemar	49	29	43.4	33.5	38.5	+ 3.3	4	31	7	1.98	+1.23	13.7	?	22	?
	Ochertyre	52	30	46.7	34.9	40.8	+ 3.8	13	28	7	1.94	+0.92	*	*	*	*
	Leith	55	34	48.9	37.9	43.4	+ 3.6	27	11	7	1.41	+1.03	*	*	*	*
2. ENGLAND, N.E.	Marchmont	53	31	47.6	34.9	41.3	+ 3.8	16	29	6	1.35	+0.77	14.3	?	23	*
	Alnwick Castle	52	35	47.4	39.1	43.3	+ 5.1	21	8	5	0.65	+0.15	*	*	*	*
	Durham	55	33	49.7	37.2	43.5	+ 5.7	31	13	3	0.18	-0.22	14.8	+ 1.5	23	+ 2
	Shields	57	35	50.7	39.1	44.9	+ 5.4	32	8	2	0.23	-0.15	*	*	*	*
	Scarborough	55	35	49.5	38.4	44.0	+ 4.7	29	10	3	0.70	+0.24	*	*	*	*
	York	56	34	51.0	39.4	45.2	+ 6.4	33	7	3	0.82	+0.38	12.6	+ 1.6	20	+ 3
3. ENGLAND, E.	Spurn Head	55	34	48.6	39.1	43.9	+ 5.1	25	8	2	0.51	+0.17	*	*	*	*
	Hillington	57	32	51.9	38.2	45.1	+ 6.7	38	11	3	0.06	-0.39	17.6	+ 3.8	28	+ 6
	Yarmouth	57	33	50.3	36.9	43.6	+ 5.1	33	14	3	0.09	-0.37	*	*	*	*
	Geldeston	57	31	52.2	38.2	45.2	+ 6.1	38	11	3	0.08	-0.30	19.6	+ 4.2	30	+ 6
	Cambridge	57	30	53.0	36.4	44.7	+ 5.9	42	16	1	0.09	-0.31	17.3	+ 3.0	27	+ 5
	Rothamsted	55	33	50.0	38.0	44.0	+ 5.9	31	11	3	0.25	-0.32	12.7	?	20	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	59	31	52.3	38.1	45.2	+ 6.3	39	11	4	0.46	+0.06	*	*	*	*
	Loughborough	59	31	53.0	38.0	45.5	+ 6.5	41	11	3	0.24	-0.24	*	*	*	*
	Stamford (Ketton Hall)	58	29	52.1	37.0	44.6	+ 5.4	59	14	4	0.10	-0.32	*	*	*	*
	Cheadle	54	32	50.2	37.5	43.9	+ 6.5	32	13	4	0.50	-0.08	*	*	*	*
	Churchstoke	55	32	51.4	39.2	45.3	+ 6.5	35	8	6	0.70	+0.06	10.9	- 2.9	17	- 4
	Hereford	59	31	51.9	39.2	45.6	+ 5.8	37	8	3	0.24	-0.30	*	*	*	*
5. ENGLAND, S.	Cirencester	52	31	49.6	38.4	44.0	+ 5.3	29	10	5	0.22	-0.43	6.8	- 8.2	10	-13
	Oxford	54	36	51.1	40.3	45.7	+ 5.8	33	5	4	0.20	-0.30	6.7	- 3.6	15	- 5
	London	55	35	51.1	40.0	45.6	+ 5.6	34	6	4	0.34	-0.11	8.4	- 0.4	13	0
	North Foreland	52	37	50.0	40.1	45.1	+ 5.1	39	5	1	0.02	?	*	*	*	*
	Strathfield Turgiss	54	33	50.7	38.9	44.8	+ 5.5	33	9	6	0.27	-0.25	*	*	*	*
	Dungeness	54	34	49.3	40.6	45.0	+ 5.0	27	4	5	0.23	-0.30	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	52	36	49.4	40.2	44.8	+ 4.4	27	5	5	0.74	+0.18	10.8	- 6.9	16	-10
	Southampton	55	34	51.9	41.3	46.6	+ 5.8	35	2	4	0.35	-0.31	11.0	- 3.7	17	- 5
	Hurst Castle	51	37	49.4	44.0	46.7	+ 5.7	33	0	1	0.19	-0.42	*	*	*	*
	Stowell	53	35	50.6	40.0	45.3	+ 6.3	32	6	3	0.31	?	*	*	*	*
	Laudale (Loch Sunart)	53	34	48.8	38.6	43.7	+ 3.5	26	10	7	2.89	+1.00	*	*	*	*
	Glasgow	52	35	46.9	38.2	42.6	+ 3.6	20	10	7	2.83	+1.93	8.5	- 1.5	14	- 1
7. ENGLAND, N.W.	Ardrossan	52	39	47.4	41.6	44.5	+ 4.0	19	1	7	1.51	+0.64	*	*	*	*
	Glenlee	50	34	43.9	38.2	41.1	+ 3.1	5	15	7	2.98	+1.56	*	*	*	*
	Douglas (Isle of Man)	54	39	49.5	42.0	45.8	+ 5.1	27	0	6	1.60	+0.65	19.2	+ 4.7	20	+ 7
	Stonyhurst	52	35	48.1	40.0	44.1	+ 5.2	23	6	7	2.87	+2.01	7.4	- 5.4	12	- 8
	Blackpool	55	34	50.7	39.7	45.2	+ 6.4	32	6	6	1.84	+1.28	4.8	?	7	?
	Liverpool Obsy. (Bidston)	54	36	51.1	42.1	46.6	+ 6.2	32	0	6	0.99	+0.55	*	*	*	*
8. ENGLAND, S.W.	Llandudno	56	40	51.2	42.9	47.1	+ 5.3	36	0	6	1.20	+0.62	9.9	- 4.1	15	- 7
	Holyhead	50	41	48.9	42.0	45.5	+ 3.5	25	0	7	0.66	-0.01	*	*	*	*
	Llandovery	51	30	49.6	37.6	43.6	+ 2.3	30	12	7	2.16	+1.07	*	*	*	*
	Pembroke	51	43	49.3	45.0	47.2	+ 4.8	36	0	7	0.48	-0.26	7.1	- 9.5	11	-14
	Bristol (Montpelier)	54	40	51.1	42.4	46.8	+ 6.8	34	0	6	0.54	?	*	*	*	*
	Arlington (N. Devon)	50	36	48.9	40.0	44.5	+ 4.6	26	6	7	1.14	+0.14	*	*	*	*
9. IRELAND, N.	Cullompton	54	35	52.7	40.6	46.7	+ 6.3	39	4	5	0.24	-0.48	7.3	- 6.0	12	- 8
	Falmouth	52	40	51.1	44.2	47.7	+ 3.7	40	0	6	0.53	-0.57	9.2	- 8.0	14	-10
	Plymouth	52	37	50.8	43.1	47.0	+ 4.5	35	0	5	0.38	-0.41	7.9	- 7.9	12	-12
	Prawle Point	52	41	49.1	43.1	46.1	+ 4.0	29	0	6	0.52	-0.07	*	*	*	*
	Malin Head	52	40	49.0	41.4	45.2	+ 3.3	25	2	7	1.68	?	*	*	*	*
	Londonderry	54	37	49.6	38.8	44.2	+ 3.4	29	9	7	1.55	+1.15	*	*	*	*
10. IRELAND, S.	Edenfel (Omagh)	54	35	50.4	39.1	44.8	+ 5.1	32	8	6	1.78	+1.10	*	*	*	*
	Belmullet	53	38	50.7	42.6	46.7	+ 4.5	33	0	7	1.88	?	*	*	*	*
	Markree Castle	56	32	51.4	38.4	44.9	+ 4.6	35	10	7	1.48	+0.77	15.3	+ 1.8	24	+ 3
	Brookeborough	55	32	49.5	38.7	44.1	+ 4.8	29	9	7	1.82	+0.98	*	*	*	*
	Armagh	54	35	49.7	38.4	44.1	+ 4.3	30	10	5	1.40	+0.80	17.8	+ 4.2	28	+ 7
	Donaghadee	56	38	51.3	40.1	45.7	+ 4.7	34	5	5	0.63	+0.01	*	*	*	*
CHANNEL ISLANDS	Edgeworthstown	53	34	50.0	37.8	43.9	+ 4.1	31	12	5	1.72	+1.02	*	*	*	*
	Dublin	59	40	53.0	42.8	47.9	+ 5.7	41	0	4	0.75	+0.23	17.4	+ 2.0	27	+ 3
	Parsonstown	55	37	52.1	40.9	46.5	+ 5.5	36	3	5	1.13	+0.53	16.3	+ 1.3	25	+ 2
	Kilkenny	57	34	53.1	39.3	46.2	+ 4.3	41	8	6	0.45	-0.25	*	*	*	*
	Waterford	54	38	51.6	41.2	46.4	+ 3.2	34	2	5	0.21	-0.77	*	*	*	*
	Roche's Point	55	40	52.3	43.9	48.1	+ 4.3	43	0	7	0.32	-0.86	*	*	*	*
CHANNEL ISLANDS	Valencia	55	42	52.7	45.9	49.3	+ 4.3	51	0	7	0.36	-0.96	9.2	- 7.2	14	-12
	Killarney	60	39	54.8	43.7	49.3	+ 5.3	51	0	7	0.68	?	*	*	*	*
	Foynes	56	41	52.6	44.4	48.5	+ 5.6	46	0	6	0.65	?	*	*	*	*
	Scilly (St. Mary's)	53	44	51.9	46.1	49.0	+ 3.2	49	0	4	0.13	-0.63	*	*	*	*
	Jersey	52	39	51.0	44.6	47.8	+ 5.0	41	0	7	0.35	-0.32	11.9	- 8.0	18	-11

Stations marked § are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

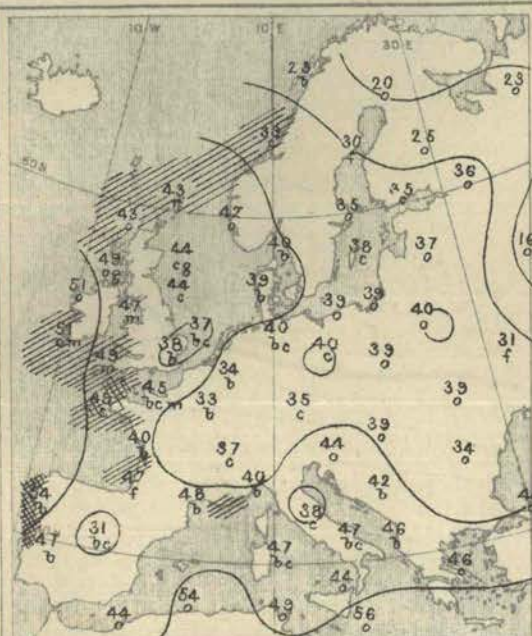
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 4th February.

Temperature and Weather.

8 a.m.

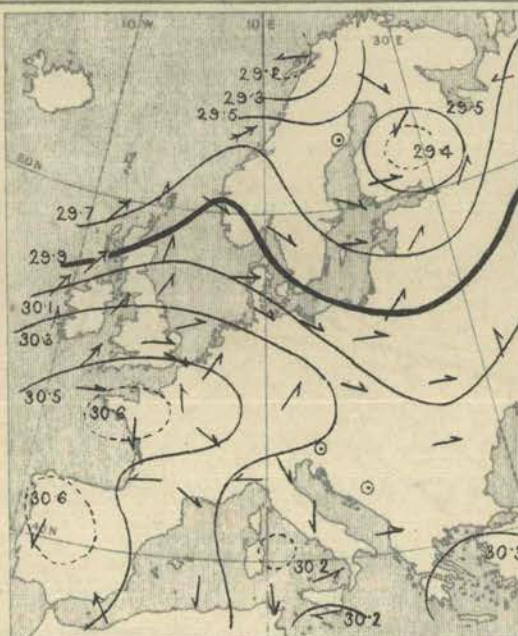


Weather in morning fine over Spain, France, western Germany, and the greater part of England, as well as over the Mediterranean, the Adriatic, and south-eastern Europe—sky being clear at many stations; cloudy or overcast and unsettled over Ireland, Scotland, and northern Europe, with rain in the south of Ireland, at Sumburgh Head, and Helsingfors. A little rain falling later over the greater part of the British Islands, the Netherlands, north of France, and north Germany, snow over northern half of Russia; lightning occurring at Wick.

Temperature fallen over central Europe, France, and England, risen over Ireland and Scotland. Highest, 50° at some of the Mediterranean stations, at Oporto, Valencia (Ireland), and Belmullet; below 50° on the coasts of Great Britain and France. Lowest, (1) 15° at Khar'kov, 16° at Moscow, below 25° over northern Europe generally, 31° at Kiev, 34° at Hermanstadt; (2) 33° at Paris, 34° at Brussels, 38° at Rome, Limoges, and in London. Rising later to 50° or more in many parts of our Islands and the west and south of France, and to 48° at Paris, to 60° and more over Algeria.

Barometer and Wind.

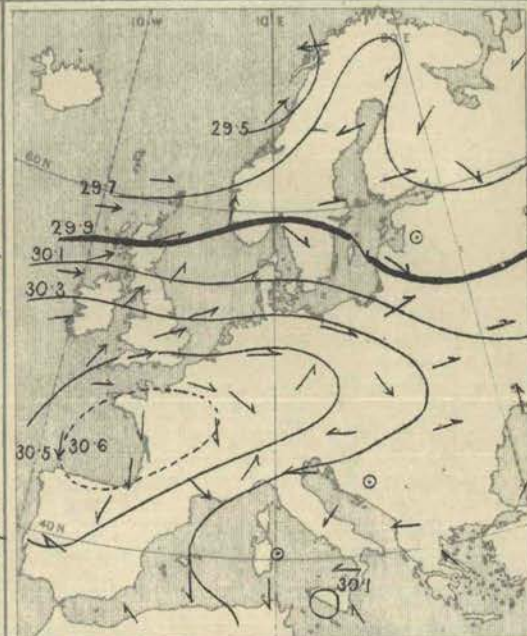
8 a.m.



Wind light and chiefly North-Easterly to Northerly over the Mediterranean, calm over the Adriatic; Westerly, South-Westerly, and variable over the Baltic and Finland, Easterly at Archangel and Bodö; Westerly and South-Westerly over the British Islands, and blowing strongly in places. Becoming more generally Westerly in the latter regions later, and shifting to the Northward in the south-west of France.

Barometer highest, 30.6 ins. and more to 30.3 ins. in a large and complex anticyclone covering the greater part of western and south-western Europe, and the southern half of the British Islands, and apparently exceeding 30.3 ins. over the Black Sea and south of Russia. Lowest, 29.2 ins. and less in a depression off the coast of Finmark; 29.4 ins. and less in another lying over Finland; and below 29.7 ins. off the extreme north-west of Scotland. Changing irregularly later, but rising decidedly both over the Baltic and south-west of France.

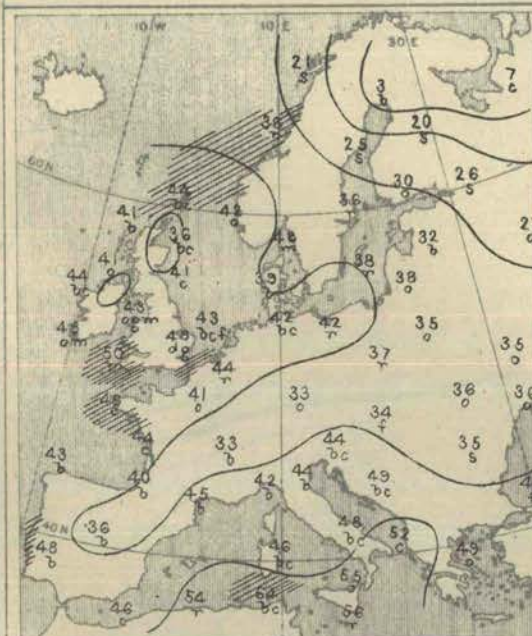
6 p.m.



Monday, 5th February.

Temperature and Weather.

8 a.m.

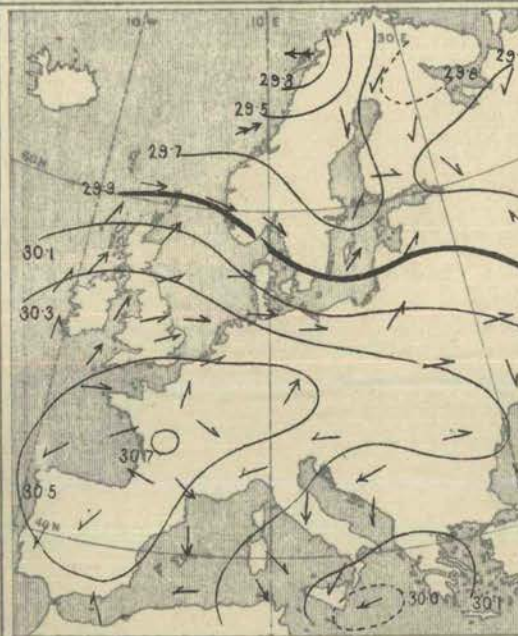


Weather in morning fine and bright over Spain, Italy, and the south of France, as well as in the Netherlands, Scotland, and the north-west of Ireland; cloudy or overcast elsewhere, foggy in several parts of France and the south of our Islands, as well as at Buda-Pesth and Constantinople; rainy over the southern parts of Ireland, England, and north-east of France, as well as over south-eastern Europe; snow at Kuopio, Hernösand, and Bodö. Rain continuing during day in the south of England and north-east of France, but sky clear in Scotland and Ireland. Thick fog and rain in London. Considerable rain in Algeria.

Temperature fallen in Ireland and over central Europe. Morning readings exceeding 50° on the southern side of the Mediterranean, at Oporto, and Scilly, and exceeding 40° on the Irish, English, French, and Dutch coasts. Lowest, 3° Fahr. at Haparanda, 7° at Archangel, 21° at Bodö, 26° at St. Petersburg, 27° at Moscow, but above the freezing point over central Europe. Rising later to 63° at Lisbon and La Calle, 55° at Perpignan, and to slightly above 60° at some of our south-western stations.

Barometer and Wind.

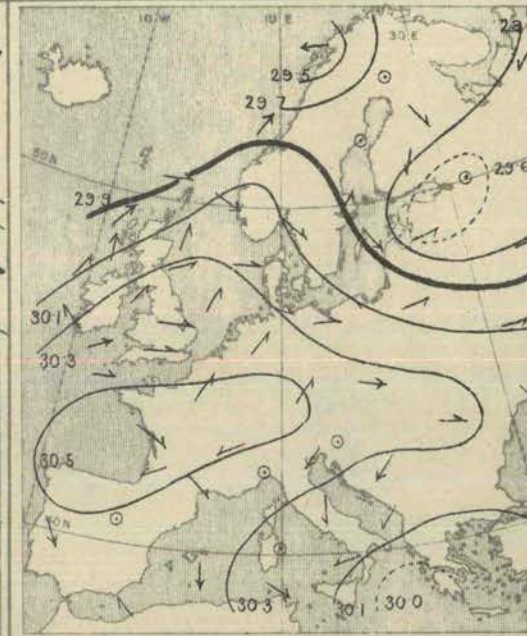
8 a.m.



Wind light and anticyclonic over western Europe; North-Easterly to Northerly and fresh over the Mediterranean; Westerly to South-Westerly over the northern and north-western countries as a whole, and blowing a gale at Christiansund, but North-Easterly breezes reported in the extreme north, and an Easterly gale at Bodö. Backing southwards on our north-west coasts later, and beginning to blow hard in the Hebrides and north of Ireland.

Barometer highest, 30.7 ins. and more to 30.3 ins. in an anticyclone covering central and western Europe, England, Ireland, and adjacent parts of the Atlantic. Lowest, (1) 29.3 ins. and less in a depression off the north-west of Norway, and 29.6 ins. and less in a secondary near Stockholm; (2) about 29.9 ins. in another disturbance near Malta. Falling decidedly in the west of Ireland later, rising over the Baltic and Germany, anticyclone inclined to give way.

6 p.m.

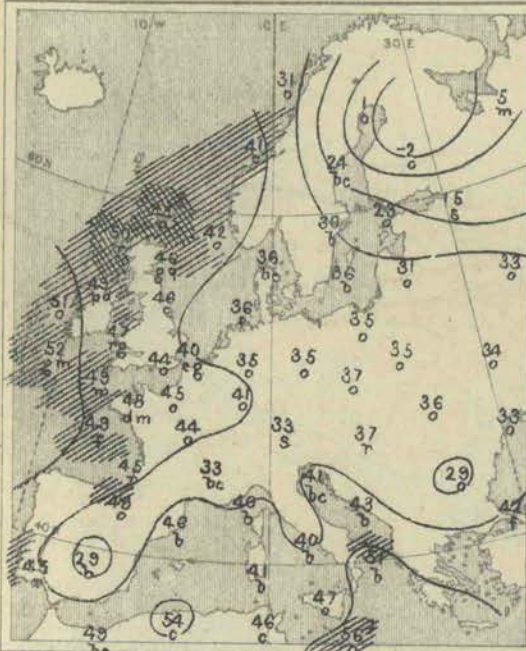


III.—SUMMARY OF WEATHER OVER EUROPE.

Tuesday, 6th February.

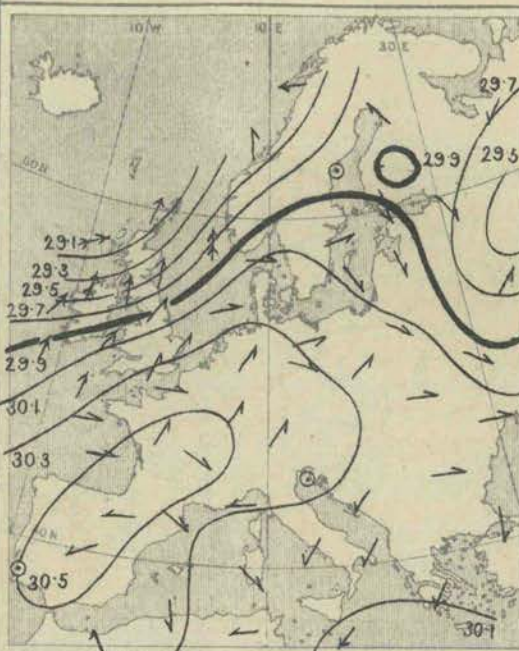
Temperature and Weather.

8 a.m.

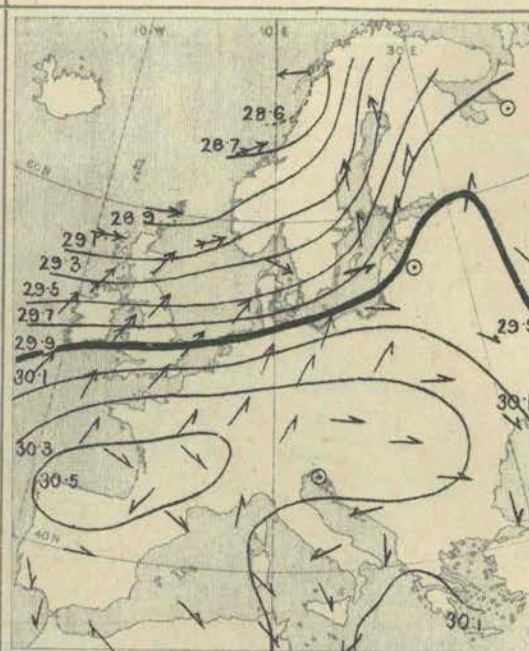


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine and bright in the extreme south, but cloudy and unsettled, as a whole, elsewhere, with rain over the western and northern parts of the British Isles, and fog and drizzle in the south; snow at Munich, rain at Vienna, fog at Constantinople. Considerable rain in the north of Scotland during day, smaller quantities over many other parts of the western and northern countries, snow in the north of Russia.

Temperature rising decidedly over the British Islands, falling over southern and south-eastern Europe. Morning readings exceeding 50° in many parts of Ireland, but at very few of the Mediterranean stations; highest, 56° at Malta. Lowest, (1) - 2° at Kuopio, - 1° at Uleaborg, + 5° at Archangel, 15° at St. Petersburg; (2) 23° at Turin, 20° at Hermanstadt, 33° at Munich and Florence. Rising later to between 50° and 56° over many parts of the British Isles, to 60° and more in Portugal, the south of Spain, and north of Algeria.

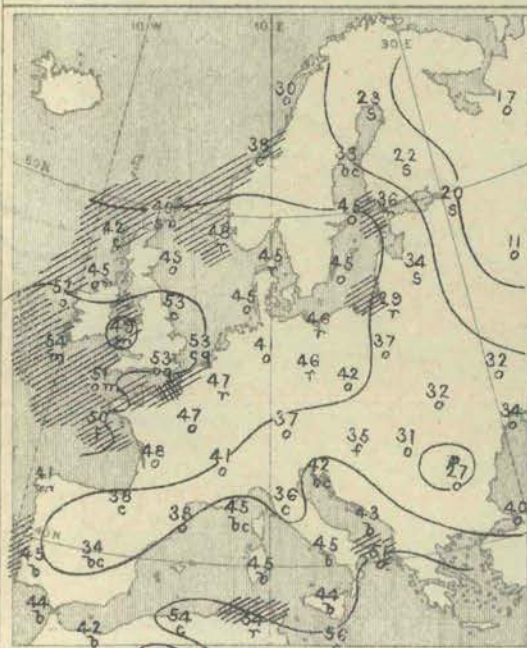
Wind still light and anticyclonic over Spain and the central and south-eastern countries, South-Westerly to Southerly over the British Islands and North Sea, moderate to strong over England, strong to a gale in Ireland, Scotland, and the south-west of Norway. Gales very general over the United Kingdom and North Sea later, and strong breezes setting in over northern Europe.

Barometer highest, 30.5 ins. and more to 30.2 ins. in a large anticyclone over Spain, France, central Europe, and the south of England. Lowest, below 29.1 ins. in a large depression having its centre away to the north-westward of Scotland, and below 29.5 ins. over the north-east of Russia. Falling fast over the north-western and northern countries later, as the depression in the north-west moved eastwards and covered an increased area.

Wednesday, 7th February.

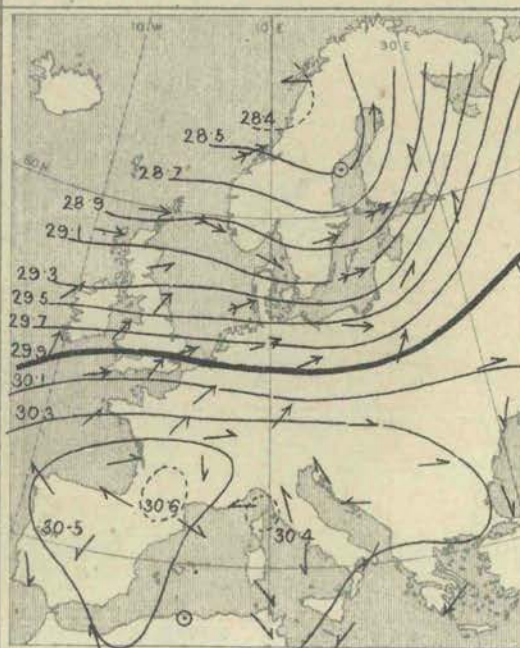
Temperature and Weather.

8 a.m.

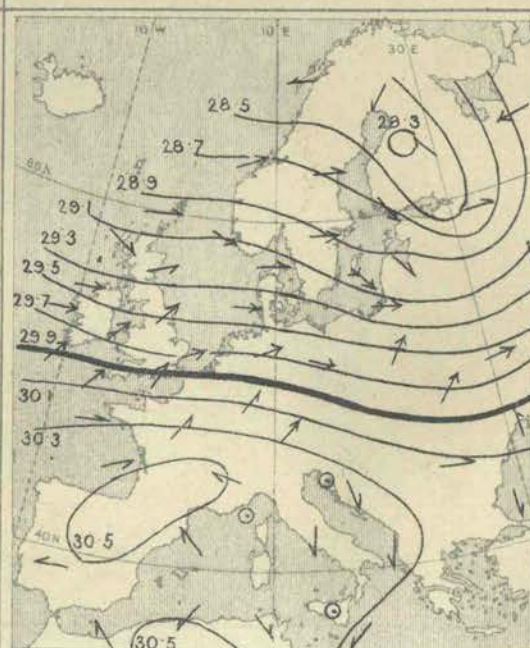


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, southern and south-western Europe, and locally in some parts of Sweden; cloudy or overcast elsewhere, very unsettled over all the northern countries, with rain or snow in many places. Rain at times in the north during the day, and slight showers over Ireland and England, snow in many parts of Russia. Lightning at several of the Scotch stations.

Temperature risen decidedly over England, central and northern Europe. Morning readings exceeding 50° at a few Mediterranean stations and in many parts of the British Islands, exceeding 40° all over western Europe, Germany, and the eastern shores of the North Sea. Lowest, 11° at Moscow, 17° at Archangel, 19° at Kharkov, 20° to 22° over Finland, 30° at Bodö. Rising later to between 55° and 59° in many parts of England and Ireland, to 57° at Nice, and 62° at Perpignan, 63° at Palermo, and 64° at Tunis.

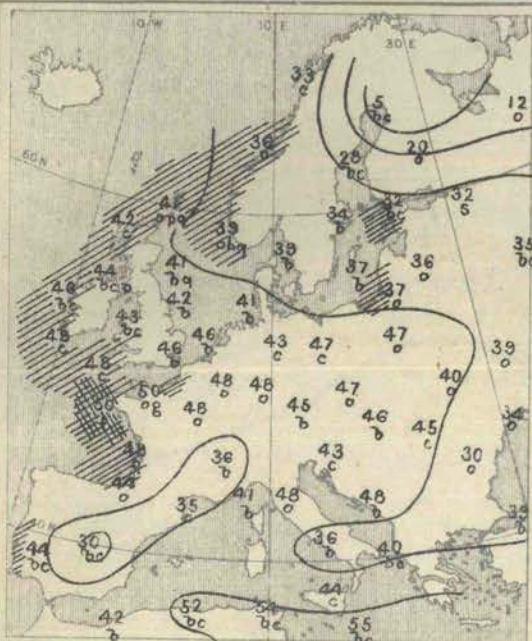
Wind light and anticyclonic over southern Europe, Northerly over the Mediterranean, South-Westerly to Westerly over almost all the northern countries and the Baltic, and strong to a gale in force; Southerly over Finland, Easterly at Bodö. Continuing to blow hard in most of the above districts during the day, but moderating in Scotland and veering to North-West.

Barometer highest, 30.6 ins. and more to 30.5 ins. over Spain and the south-west of France, and exceeding 30.0 ins. over the whole of the Bay of Biscay, the English Channel, south Germany, south-eastern Europe, and the Mediterranean. Lowest, 28.4 ins. and less to 28.5 ins. in a depression over the northern parts of Scandinavia—gradients steepest over Denmark and the Baltic. Beginning to rise in the north and extreme west later, little change elsewhere; depression off the north-west of Norway moving eastwards rapidly.

Thursday, 8th February.

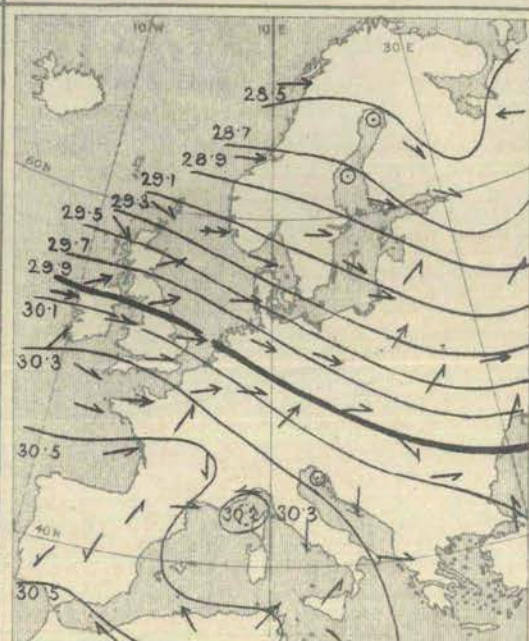
Temperature and Weather.

8 a.m.

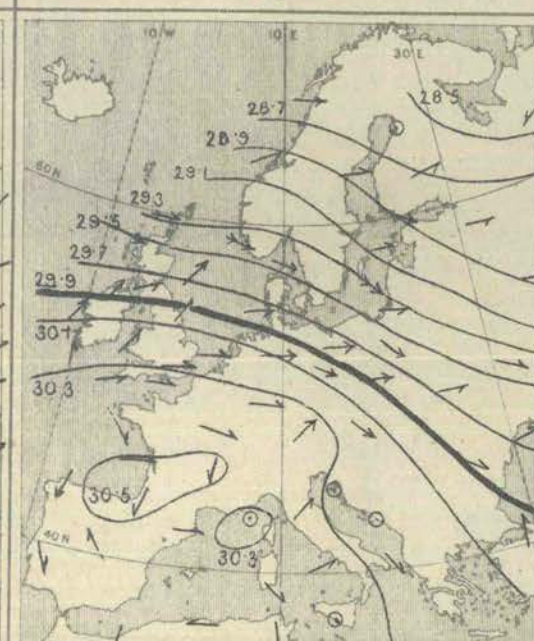


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over south-eastern Europe and the greater part of the Mediterranean, as well as over the British Islands, Denmark, and Sweden; cloudy over central Europe and Russia, with snow in a few places, squally and unsettled on the Scotch coasts and at Malin Head. Continuing fine over England and the North Sea during day, but becoming very rough, squally, and showery again over Scotland and the west of Ireland; snow showers falling over central Russia.

Temperature in morning highest, 50° and more at several of the Mediterranean stations, 50° at Lorient and Jersey, 48° at Scilly and Valencia, and above 40° over the United Kingdom generally. Lowest, 1° Fahr. at Uleaborg, 5° at Haparanda, and below the freezing point over the greater part of northern Europe, 33° at Kharkov and Odessa. Rising later to between 50° and 54° in several parts of England, to 55° at Lorient, 59° at Lisbon, 63° at Palermo and in several parts of Algeria, 68° at Malta.

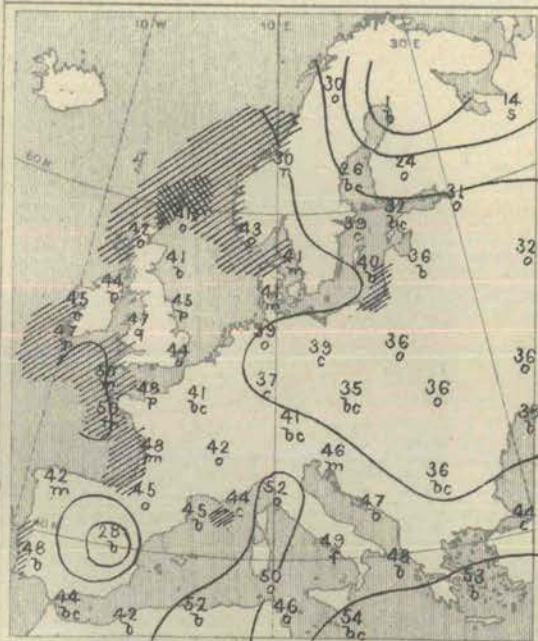
Wind light to moderate and anticyclonic over Spain and France, mainly Westerly elsewhere, and moderate to strong in force over Ireland, England, the North Sea, and Germany, fresh over southern Russia, a gale in Norway and a moderate breeze over the Baltic, but calm in the north of Sweden. Blowing a gale in Scotland towards the afternoon, and backing to South-West in Ireland still later, and increasing in force. Continuing strong over Germany.

Barometer highest, 30.5 ins. and more over Spain and the south-west of France, and exceeding 30.1 ins. over the whole of the Mediterranean, France, and the south-western parts of Germany and the British Isles. Lowest, 28.5 ins. and less over Lapland and the north of Russia. Beginning to fall decidedly in Ireland later, but rising over Scandinavia, the eastern shores of the North Sea, and the north of Russia.

Friday, 9th February.

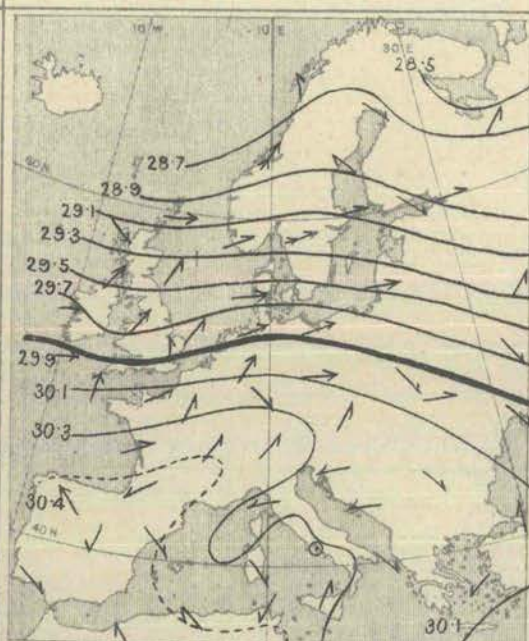
Temperature and Weather.

8 a.m.

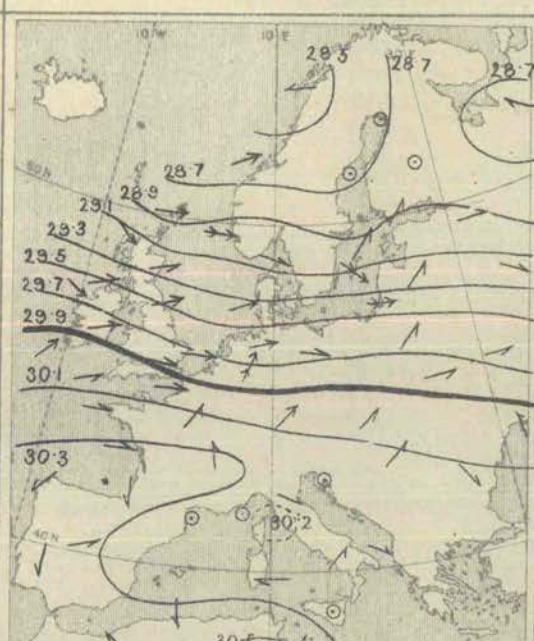


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of south-eastern, southern, and south-western Europe, as well as in many parts of the Baltic and Sweden, temporarily fine in the east of Scotland, cloudy or overcast elsewhere, squally and unsettled over the British Islands, the North Sea, and Germany, showery in several places. Heavy fall of sleet at Christiansund later, smaller quantities in Scotland and the north of Ireland, slight rain in other parts of the United Kingdom, France, and Germany (considerable falls over Brittany), and snow over northern Russia.

Temperature fallen over Germany and Austria. Morning readings exceeding 50° at a few of the Mediterranean stations, and touching 50° at Brest and Scilly; exceeding 40° all over the British Islands, France, Denmark, and the west of Norway. Lowest, 1° Fahr. at Haparanda, 14° at Archangel, 24° at Knopio, 30° at Bodö and Helsingfors, 32° at Moscow. Exceeding 50° in many parts of Ireland and England during day, touching 60° at Perpignan, 63° at Palermo, 66° at Algiers.

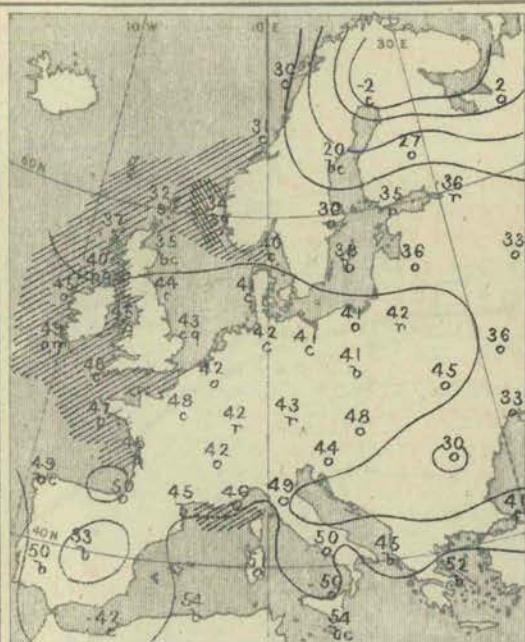
Wind very light and variable over the whole of the southern countries: South-Westerly to North-Westerly over the more northern regions as a whole, and fresh to a gale in force, but light from South at Archangel, and from South-South-East at Bodö. Strong squally winds and gales from the Westward prevailing later over the British Islands, and strong gales over the North Sea, and apparently over the Baltic also. Remaining quiet over the southern countries.

Barometer highest, 30.4 ins. and more over Spain and the south-west of France, and exceeding 30.0 ins. over France as a whole, the English Channel, central and south-eastern Europe. Lowest, (1) 28.5 ins. and less over the White Sea; (2) 28.7 ins. and less over Finnmark and neighbouring parts of the Atlantic; gradients steep over the British Islands, North Sea, and Baltic. Falling over the Baltic, Scandinavia, Scotland, and the North Sea later, rising in Ireland, but changes very fitful and temporary.

Saturday, 10th February.

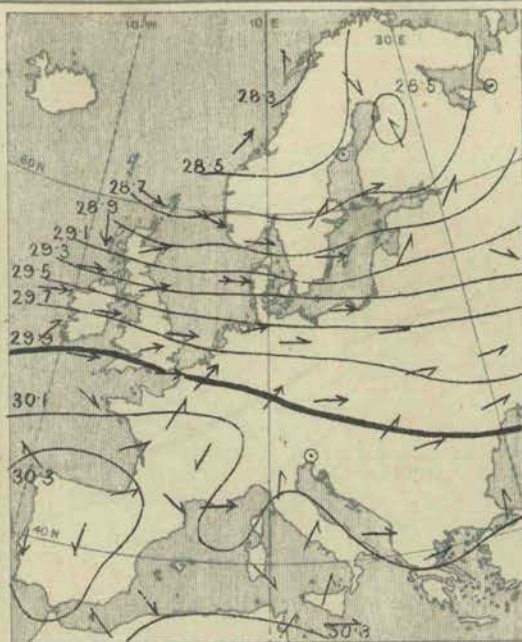
Temperature and Weather.

8 a.m.

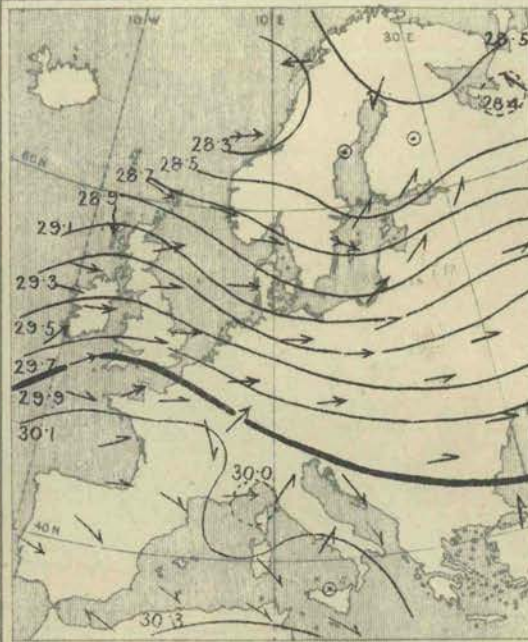


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning continuing fine and bright over the Peninsula and southern shores of the Mediterranean, but more or less cloudy and unsettled over all the northern and north-western countries, rainy in the north-west of our Islands, at Copenhagen, and on the shores of the Gulf of Finland, also at Belfort and Munich; snow falling at Skudesnaes, Sunburch Head, and Stornoway, and a threatening appearance at Wick. Rain later in the western and northern parts of the British Isles and over south Germany and central Russia, snow in far north.

Temperature high generally, but falling over Scotland and northern Europe. Morning readings highest, 54° at Malta, 52° at Leghorn, 50° at Palermo, Biarritz, and Lorient. Lowest, - 2° Fahr. at Haparanda, + 2° at Archangel, 20° at Hernösand, 27° at Kuopio; 32° at Sunburch Head, 35° at Aberdeen. Rising later to between 50° and 54° in several parts of Ireland and England, to 60° and more over the southern parts of Spain and Italy, and to 66° in some parts of Algeria, but remaining low in the north.

Wind continuing light and variable over the south-western countries and the Mediterranean, but fresh from West over central Europe, and strong to a gale from the South-Westward and Westward over the British Islands, the North Sea, Denmark, and the Baltic; South-Westerly to Southerly in the north of Norway, but North-Westerly at Haparanda. Shifting to North-West in the Shetlands later, and to North in the Hebrides, and blowing strongly; beginning to increase from South-West at Valencia at night.

Barometer highest, 30.3 ins. and more over the Peninsula, and exceeding 30.0 ins. over the west and south of France, Austria, Serbia, Turkey in Europe, and the Mediterranean. Lowest, 28.5 ins. and less in a depression over the north of Finland, 28.3 ins. and less in another off the north-west of Norway; gradients steep all over the British Isles, North Sea, and Baltic. Northern depression moving eastwards later, and (new) large one approaching our north-west coasts from the Atlantic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: $\text{—}b$ = blue sky; $\text{—}c$ = detached clouds; $\text{—}o$ = overcast; $\text{—}m$ = misty (hazy); $\text{—}f$ = foggy; $\text{—}q$ = squally; $\text{—}r$ = rain; $\text{—}h$ = hail; $\text{—}s$ = snow; $\text{—}l$ = lightning; and $\text{—}t$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The general distribution of pressure over Europe was very similar to that noticed in the three preceding weeks. A large anticyclone covered the Mediterranean and all the more southern countries (its central area being located for the most part over France and Spain), while numerous depressions advanced over Scandinavia from the westward, the prevailing winds being Westerly or South-Westerly in all but the extreme southern parts of the Continent, where variable breezes were general. Over the British Islands, Scandinavia, and Denmark, gales were frequent, with squally changeable weather, and with heavy falls of rain or snow in the more northern districts. At the close of the week the anticyclone was inclined to recede southwards, and the large depressions in the north were beginning to advance from the Atlantic in a more southerly track. Rough unsettled weather was, therefore, spreading to the south of our Islands, as well as to many parts of central Europe.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 32.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	14.3	?	23	?	EASTBOURNE	9.7	?	15	?
OSWALDKIRK (Yorkshire)	12.5	?	19	?	TENBY	11.0*	?	17*	?
WORKSOP	12.2	0.0	19	0	NEWQUAY	8.4	?	13	*
THURCASTON (Leicestershire)	15.4	+ 4.3	24	+ 7	TORQUAY	13.2*	?	20*	?
MARGATE	12.5	?	19	?	ARLEY COTTAGE (County Cavan)	16.2	?	25	?
WESTBOURNE (Sussex)	8.8*	?	13*	?	GUERNSEY	11.0*	?	18*	?
BRIGHTON	9.7	?	15	?					

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 7.]
Third Series.

WEEK ENDING SATURDAY, 17TH FEBRUARY, 1894.

[Price 6d.
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 38.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	47	3	37.9	28.0	33.0	5 below.	Day-deg. 0	Day-deg. - 5	Day-deg. 63	Day-deg. +29	Day-deg. 30	Day-deg. -16	Day-deg. 270	Day-deg. + 40
	1. SCOTLAND, EAST	51	4	39.5	27.9	33.7	4 below.	0	- 9	58	+23	34	-23	310	+ 41
	2. ENGLAND, N.E.	53	23	41.9	32.4	37.2	2 below.	0	- 9	34	+ 4	65	+ 9	244	- 2
	3. ENGLAND, EAST.	54	23	45.0	33.9	39.5	1 above.	8	- 2	31	- 3	92	+36	269	- 14
	4. MIDLAND COUNTIES.	53	26	45.6	34.8	40.2	1 above.	10	- 3	28	- 3	100	+30	251	- 29
	5. ENGLAND, SOUTH	55	28	46.6	37.2	42.0	2 above.	13	- 2	13	-13	114	+32	196	- 17
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	20	42.6	33.4	38.0	2 above.	2	- 7	31	+ 6	64	- 2	189	- 7
	7. ENGLAND, N.W.	53	28	45.9	37.6	41.8	1 above.	11	+ 2	18	- 8	94	+35	179	- 24
	8. ENGLAND, S.W.	54	27	48.2	39.8	44.0	2 above.	23	+ 6	6	-14	156	+49	138	- 14
	9. IRELAND, NORTH	53	24	46.8	36.1	41.5	1 above.	13	- 1	24	+ 1	94	- 3	190	+ 25
	10. IRELAND, SOUTH	55	30	49.3	39.6	44.5	1 above.	28	+ 7	7	-10	174	+31	135	+ 1
	-CHANNEL ISLANDS	54	38	50.2	43.0	46.6	2 above.	32	+10	0	- 6	200	+46	71	+ 12

DISTRICTS. (See p. 38.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	18	10ths of in. 7 more.	42	+ 6	13.5	+ 4.9	8	-11	12	- 16	35	-12	13	- 3
	1. SCOTLAND EAST	5	21	15 more.	37	+10	7.6	+ 3.1	14	- 4	21	- 7	76	- 3	24	- 1
	2. ENGLAND, N.E.	5	17	13 more.	32	+ 7	4.1	+ 1.1	19	+ 3	28	+ 4	85	+16	21	+ 4
	3. ENGLAND, EAST.	4	4	0 (average)	30	+ 4	2.6	- 0.5	23	+ 7	34	+ 10	112	+27	28	+ 7
	4. MIDLAND COUNTIES.	5	14	8 more.	36	+10	3.9	+ 0.1	16	+ 1	24	+ 2	89	+15	22	+ 4
	5. ENGLAND, SOUTH	4	8	2 more.	33	+ 7	4.4	+ 0.3	21	+ 3	30	+ 5	112	+22	24	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	25	14 more.	41	+ 9	12.1	+ 3.2	7	- 8	11	- 10	66	0	16	0
	7. ENGLAND, N.W.	6	11	5 more.	37	+ 8	6.2	+ 1.5	11	- 2	16	- 4	68	+10	20	+ 3
	8. ENGLAND, S.W.	5	11	3 more.	37	+ 7	6.6	+ 0.2	15	- 4	22	- 5	102	+ 6	22	+ 2
	9. IRELAND, NORTH	5	10	3 more.	39	+ 6	8.3	+ 3.0	15	0	22	0	79	- 1	20	+ 1
	10. IRELAND, SOUTH	5	7	1 less.	39	+ 8	7.0	+ 0.6	17	0	25	0	94	- 2	22	0
	-CHANNEL ISLANDS	5	6	1 less.	39	+ 6	5.7	+ 0.4	24	+ 1	35	+ 2	129	+11	29	+ 2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued in a very unsettled condition generally. Much rain or sleet was experienced in Scotland and the north of England, and considerable falls of rain in nearly all other parts of the Kingdom. In most localities, however, there were many intervals of bright, fine weather.

Temperature was a little higher than the mean in Ireland, the greater part of England, and in Scotland W., but was below in Scotland N. and E. and in England N.E., the deficit varying between 2° and 5°. The highest of the maxima were recorded on the 11th, when they ranged from 55° in England S. and Ireland S., to 47° in Scotland N. The lowest of the minima were registered on the 14th in England and Ireland, and on the 15th in Scotland, and were lower generally than for some weeks past. In Scotland N. (at Lairg) the thermometer fell to 3°, and in Scotland E. (at Braemar) to 4°; in the other parts of the Kingdom the lowest readings ranged from 20° in Scotland W., and 22 in England N.E., to 30° in Ireland S., and to 38° in the Channel Islands.

Rainfall was slightly less than the mean in Ireland S. and the Channel Islands, and just equal to it in England E.; in all other districts, however, the mean amount was exceeded,

the excess over the greater part of Scotland and over north-eastern and central England being very large.

Bright Sunshine was somewhat in excess of the mean over eastern, central, and southern England, but showed a deficit in nearly all other localities. The percentage of the possible duration ranged from 35 in the Channel Islands, 34 in England E., and 30 in England S., to 12 in Scotland N. and to 11 in Scotland W.

Barometer and Wind.—Soon after the commencement of the period a depression of unusual depth and intensity moved in an easterly direction from the Atlantic across our northern districts, causing very severe South-Westerly to Westerly gales on all but our extreme northern coasts. In the rear of the system the barometer rose rapidly, and, by the 14th, a "ridge" of high pressure extended over our Islands from the southward. Northerly breezes then prevailed in the east, and Southerly breezes in the west, but, as the week progressed, a somewhat shallow "V" shaped disturbance advanced slowly from the westward. Towards the end of the period, pressure became highest in Scandinavia, and the wind became Southerly to South-Easterly over the whole of the United Kingdom, and increased to a gale in the north-east of Scotland.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F. Below 42° F.								
0. SCOTLAND, N.	Sumburgh Head	41	29	37.7	30.6	34.2	- 4.5	0	55	3	0.33	-0.47	*	*	*	*
	Stornoway	44	22	39.7	29.7	34.7	- 4.5	0	51	6	1.94	+0.96	4.4	-10.4	7	-16
	Wick	39	25	36.7	29.6	33.2	- 4.9	0	62	7	1.73	+1.21	*	*	*	*
	Lairg	38	3	31.4	21.7	26.6	-10.1	0	108	6	1.50	+0.74	*	*	*	*
	Glencarron	43	14	37.5	26.2	31.9	- 5.6	0	71	6	3.21	+1.53	*	*	*	*
	Fort Augustus	46	15	40.5	26.9	33.7	- 5.0	0	58	6	1.96	+1.03	9.2	?	14	?
1. SCOTLAND, E.	Fort William	47	21	41.9	31.3	36.6	- 2.7	0	38	6	2.18	+0.18	10.2	?	16	?
	Nairn	42	10	38.1	25.4	31.8	- 6.7	0	71	6	1.44	+1.06	*	*	*	*
	Aberdeen	41	20	38.4	30.0	34.2	- 4.3	0	55	6	1.56	+0.98	12.8	- 4.2	20	- 7
	Braemar	38	4	35.1	22.3	28.7	- 6.5	0	93	6	1.12	+0.38	16.0†	††	25†	††
	Ochertyre	43	22	44.0	28.9	36.5	- 0.9	6	48	4	3.43	+2.49	*	*	*	*
	Leith	51	26	42.3	31.3	36.8	- 3.2	1	38	4	2.20	+1.84	*	*	*	*
2. ENGLAND, N.E.	Marchmont	46	25	39.3	29.4	34.4	- 3.4	0	53	4	2.83	+2.25	14.3	?	22	?
	Alnwick Castle	41	24	38.7	32.1	35.4	- 3.1	0	46	6	2.92	+2.40	*	*	*	*
	Durham	49	22	42.0	30.2	36.1	- 2.1	0	41	5	1.55	+1.15	16.1	+ 1.0	24	+ 1
	Shields	51	26	42.1	31.1	36.6	- 3.2	0	38	4	1.79	+1.40	*	*	*	*
	Scarborough	50	27	42.2	32.2	37.2	- 2.5	1	34	5	1.22	+0.78	*	*	*	*
	York	53	28	44.0	33.2	38.7	- 0.5	6	32	6	1.78	+1.35	18.6	+ 6.1	28	+ 8
3. ENGLAND, E.	Spurn Head	50	32	42.4	35.6	39.0	- 0.1	1	23	5	0.77	+0.43	*	*	*	*
	Hillington	54	25	45.7	32.5	39.1	+ 0.2	10	36	4	0.47	+0.02	22.8	+ 6.8	34	+10
	Yarmouth	53	29	42.6	34.4	38.5	- 0.1	2	27	3	0.19	-0.28	*	*	*	*
	Geldeston	53	23	45.9	33.2	39.6	+ 0.2	11	34	2	0.12	-0.28	23.2	+ 6.2	34	+ 9
	Cambridge	54	29	46.4	34.4	40.4	+ 1.2	12	30	5	0.48	+0.10	23.7	+ 7.7	35	+12
	Rothamsted	52	31	44.4	35.2	39.8	+ 1.3	7	25	5	0.85	+0.33	23.3	?	34	?
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall)	53	26	43.0	30.9	37.0	- 2.5	3	40	6	1.76	+1.34	*	*	*	*
	Loughborough	53	30	46.7	35.3	41.0	+ 1.3	13	27	5	1.24	+0.80	*	*	*	*
	Stamford (Ketton Hall)	52	27	45.6	33.4	39.5	- 0.5	10	33	5	1.29	+0.84	*	*	*	*
	Cheadle	50	30	44.8	34.3	39.6	+ 1.7	8	29	7	1.48	+0.86	*	*	*	*
	Churchstoke	51	29	45.9	35.1	40.5	+ 1.4	11	27	4	1.00	+0.39	15.8	+ 0.8	24	+ 1
	Hereford	52	30	46.4	37.5	42.0	+ 1.8	12	13	5	1.54	+1.03	*	*	*	*
5. ENGLAND, S.	Cirencester	51	29	45.7	35.6	40.7	+ 1.8	10	25	4	1.49	+0.87	14.7	- 3.1	22	- 3
	Oxford	52	30	46.3	36.3	41.3	+ 1.2	12	23	5	0.97	+0.49	19.1	+ 3.9	28	+ 6
	London	55	29	46.1	35.4	40.8	+ 0.3	11	26	5	0.59	+0.17	15.7†	+ 5.6†	23†	+ 9†
	North Foreland	52	32	44.4	36.4	40.4	0.0	7	21	3	0.18	?	*	*	*	*
	Strathfield Turgiss	52	29	46.2	35.3	40.8	+ 0.9	12	27	4	1.00	+0.50	*	*	*	*
	Dungeness	50	28	45.6	36.4	41.0	+ 0.8	10	22	4	0.35	-0.15	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	50	30	46.8	36.8	41.8	+ 1.0	13	22	4	0.43	-0.08	22.6	+ 2.5	33	+ 5
	Southampton	53	31	49.1	38.8	44.0	+ 2.8	27	9	5	0.74	+0.12	17.8	+ 1.1	26	+ 2
	Hurst Castle	53	36	48.3	40.9	44.6	+ 3.4	23	3	4	0.96	+0.40	*	*	*	*
	Stowell	52	34	46.6	37.9	42.3	+ 2.3	19	11	5	1.71	?	*	*	*	*
	Laudale (Loch Sunart)	47	23	44.1	32.8	38.5	- 1.8	6	34	5	1.33	-0.50	*	*	*	*
	Glasgow	48	27	40.5	32.4	36.5	- 2.7	0	39	7	3.02	+2.19	3.4	- 8.6	5	-12
7. ENGLAND, N.W.	Ardrossan	48	27	42.4	32.0	37.2	- 3.3	1	35	7	2.18	+1.41	*	*	*	*
	Glenlee	49	20	40.0	31.8	35.9	- 2.5	0	43	7	3.75	+2.53	*	*	*	*
	Douglas (Isle of Man)	50	31	45.8	33.1	42.0	+ 1.1	11	11	6	2.09	+1.22	11.4	- 5.6	17	- 8
	Stonyhurst	49	28	43.2	33.5	38.4	- 0.8	3	31	7	1.51	+0.64	12.8	- 1.7	19	- 3
	Blackpool	?	?	?	?	?	?	?	?	6	1.18	+0.62	12.4	- 2.7	19	- 3
	Manchester	51	30	45.8	35.4	40.6	+ 1.6	11	26	7	1.42	+0.90	6.9†	††	10†	††
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	52	34	45.3	38.3	41.8	+ 1.4	9	15	7	1.26	+0.84	*	*	*	*
	Llandudno	53	37	48.9	40.3	44.6	+ 2.6	25	5	5	0.68	+0.15	?	?	?	?
	Holyhead	49	37	46.3	40.6	43.5	+ 1.5	16	4	3	0.51	-0.13	*	*	*	*
	Llandovery	53	27	47.3	35.9	41.6	+ 0.1	15	25	6	1.41	+0.38	*	*	*	*
	Pembroke	50	38	46.3	41.0	43.7	+ 1.2	16	3	6	0.74	+0.04	14.5	- 5.3	21	- 6
	Bristol (Montpelier)	52	34	48.0	39.3	43.7	+ 3.3	23	8	5	1.73	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	49	32	46.6	37.9	42.3	+ 2.1	19	11	6	1.29	+0.27	*	*	*	*
	Cullompton	52	32	49.0	39.5	44.3	+ 3.5	27	7	4	0.96	+0.22	17.2	+ 1.2	25	+ 2
	Falmouth	52	37	49.6	43.5	46.6	+ 2.4	32	0	4	1.19	+0.19	16.0	- 4.0	23	- 4
	Plymouth	51	33	49.1	41.1	45.1	+ 2.1	25	3	4	0.98	+0.25	10.5	- 8.3	15	-12
	Prawle Point	54	34	49.6	40.4	45.0	+ 2.6	28	4	4	0.74	+0.22	*	*	*	*
	Malin Head	50	34	45.9	37.9	41.9	- 0.5	11	17	5	0.64	?	*	*	*	*
10. IRELAND, S.	Londonderry	52	29	47.3	35.9	41.6	+ 0.4	15	25	5	1.26	+0.55	*	*	*	*
	Edenfel (Omagh)	50	29	45.1	34.6	39.9	- 0.1	9	28	5	1.04	+0.44	*	*	*	*
	Belmullet	51	35	47.4	38.7	43.1	+ 0.9	22	9	6	1.51	?	*	*	*	*
	Markree Castle	52	30	47.7	35.1	41.4	+ 0.8	16	28	7	1.23	+0.53	15.6	+ 0.5	23	+ 1
	Brookeborough	50	24	46.8	34.2	40.5	+ 0.6	13	31	6	0.94	+0.17	*	*	*	*
	Armagh	52	30	47.6	36.0	41.8	+ 1.7	16	25	5	0.79	+0.21	14.2	- 0.9	21	- 1
CHANNEL ISLANDS	Donaghadee	53	34	46.7	37.6	42.2	+ 1.2	20	12	5	0.91	+0.31	*	*	*	*
	Edgeworthstown	51	27	47.1	35.2	41.2	+ 1.2	14	28	5	0.48	-0.22	*	*	*	*
	Dublin	55	33	49.0	39.0	44.0	+ 1.6	27	8	4	0.20	-0.32	19.4	+ 2.4	29	+ 4
	Parsonstown	54	30	48.6	37.3	43.0	+ 1.8	27	13	3	0.43	0.12	14.7	- 2.3	22	- 3
	Kilkenny	54	30	48.5	37.7	43.1	+ 0.9	26	12	6	0.60	-0.07	*	*	*	*
	Waterford	53	33	48.7	39.3	44.0	+ 0.5	25	8	6	0.65	-0.25	*	*	*	*
CHANNEL ISLANDS	Roche's Point	52	36	48.7	41.7	45.2	+ 1.2	24	1	6	0.34	-0.77	*	*	*	*
	Valencia	53	36	50.4	42.4	46.4	+ 1.4	31	0	6	1.27	+0.05	16.3	- 1.7	24	- 3
	Killarney	55	31	51.2	38.6	44.9	+ 0.4	35	10	5	1.65	?	*	*	*	*
	Foynes	55	35	49.6	40.9	45.3	+ 2.1	28	3	4	0.53	?	*	*	*	*
	Scilly (St. Mary's)	54	42	50.9	44.0	47.5	+ 1.5	39	0	5	0.47	-0.22	*	*	*	*
	Jersey	52	38	49.4	42.0	45.7	+ 2.7	26	0	4	0.64	0.00	23.2	+ 1.2	33	+ 2

Stations marked $\mathfrak{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathfrak{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 11th February.

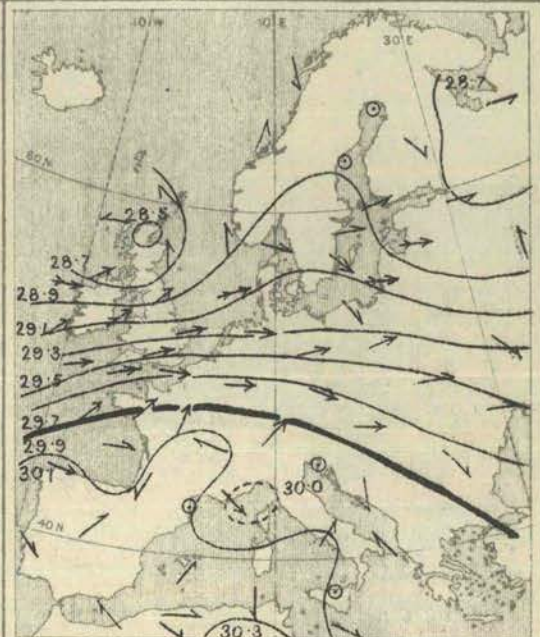
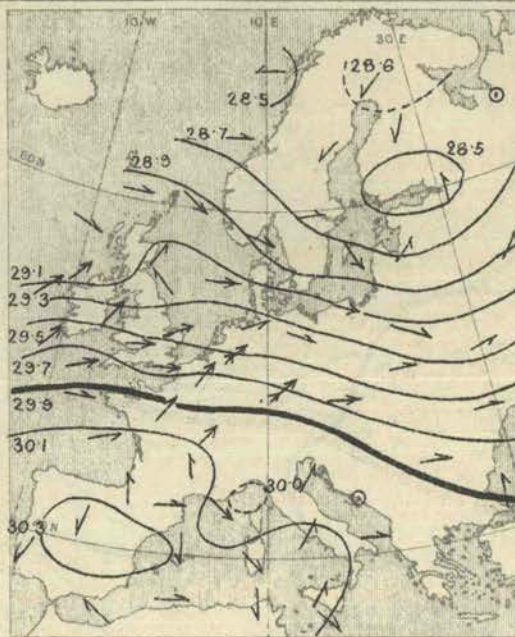
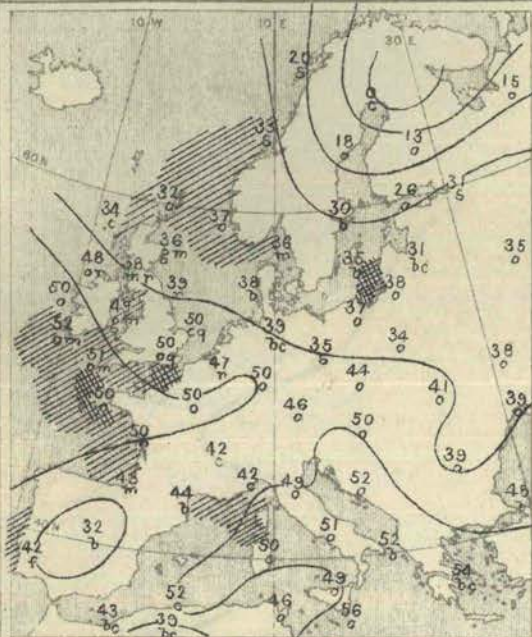
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather dull over Europe generally, with rain over the United Kingdom, the Netherlands, and western Germany; snow falling in the west of Norway, as well as at St. Petersburg and Berlin. Fine in the south of Sweden, and also in Spain, the south of France, and at some of the Adriatic stations. Snow falling later in the north of Scotland, and rain in most other parts of north-western and central Europe, amounts large at several of the northern stations. Thunder and lightning occurring in Ireland at night.

Temperature risen slightly over Ireland and England, and considerably in Russia, but changed irregularly elsewhere. Morning readings highest, (1) 56° at Malta, 54° at Athens, and 52° at Leghorn, Brindisi, and Algiers; (2) 52° at Parsonstown, Valencia, and Roche's Point (reaching 50° at several of the English and Irish stations). Lowest, 0° zero at Haparanda, 5° at Uleaborg, 13° at Kuopio, and 15° at Archangel; below the freezing point in many parts of Scandinavia and Russia, and very little above it in the north of Scotland. Rising during day to between 50° and 54° in all but the extreme northern parts of the United Kingdom, and to between 55° and 60° in many parts of France and southern Europe.

Wind South-Westerly or Westerly over the greater part of north-western and central Europe, with moderate gales on many parts of our own western and southern coasts, and with fresh to strong gales over Holland and Germany. Light to moderate from the Eastward or North-Eastward over the northern parts of Scandinavia. Chiefly Southerly in Italy and North-Eastward in Spain, but variable in Algeria. Increasing in evening or night to a "whole gale" from the South-Westward and Westward in all but the extreme northern and southern parts of the United Kingdom, as well as over the Netherlands and north Germany.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying over Spain. Lowest, 28.5 ins. and less in two depressions, one lying over the north-west of Norway, and the other over the Gulf of Finland, 29.0 ins. and less in another disturbance approaching the west of Scotland. Two first-named depressions subsequently filling up, disturbance off the west of Scotland increasing considerably in depth and advancing steadily eastwards, barometer falling rapidly over the United Kingdom.

Monday, 12th February.

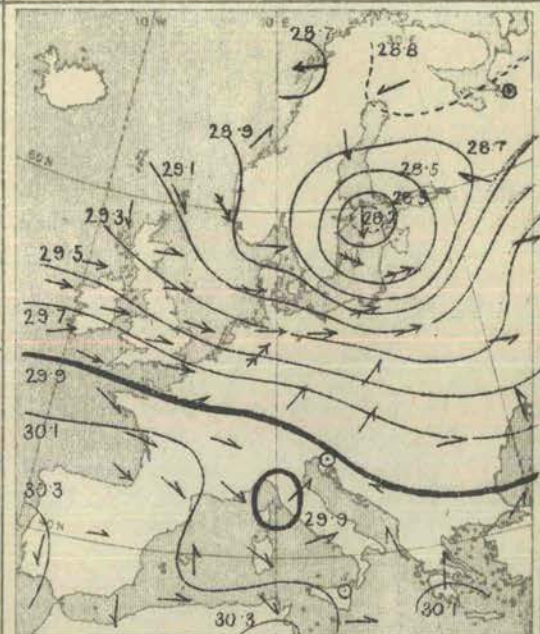
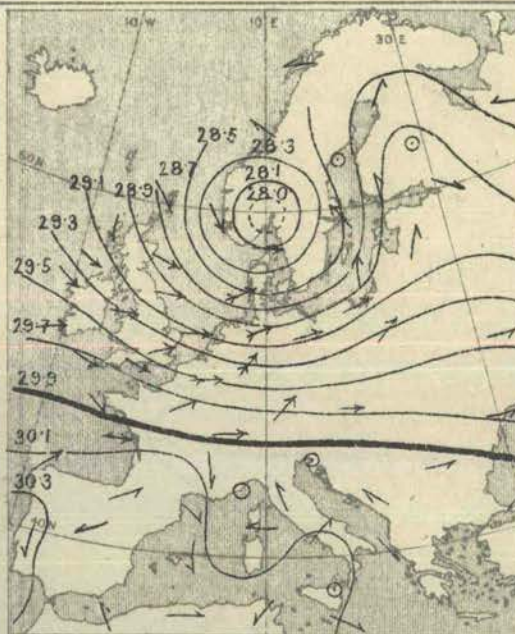
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather fair or fine over the greater part of our islands, but showers of rain or sleet reported on our extreme north-west coasts. Snow falling at several of the Scandinavian stations, and rain in some parts of France, Germany, and the Netherlands. Dull in most parts of Russia, Austria, and Italy, but fine over the Spanish Peninsula, and also in Algeria. Showers of hail or sleet falling during day in most parts of the United Kingdom; solar halo seen at Jersey in morning.

Temperature fallen briskly over Ireland and England, but changed very irregularly elsewhere. Morning readings highest, 56° at Barcelona, 55° at Corunna and Malta, and 54° at Algiers; above 50° at several of the Mediterranean stations, and above 45° in France and Germany. Lowest, -14° Fahr. at Kuopio, 0° zero at Uleaborg, 2° at Haparanda, and 4° at Haparanda; below the freezing point in most parts of Russia and Scandinavia, and very little above it in the north of Scotland. Rising during day to between 45° and 50° in the southern parts of the United Kingdom, exceeding 50° in France, and exceeding 60° in many parts of southern Europe. Frost occurring over the United Kingdom at night.

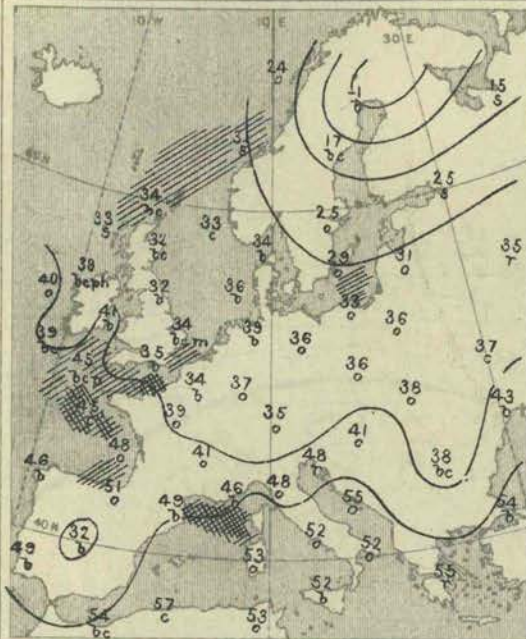
Wind moderate from the North-Westward in the north of Scotland; strong to a gale from the Westward over Ireland, England, and Denmark, from the South-Westward over the Netherlands and Germany, and from the Southward or South-Eastward in the south of Sweden; light from the Eastward in the west of Norway. Variable in Russia, Austria, and Italy; Easterly (South-East to North-East) over the Spanish Peninsula. Gale moderating gradually over Ireland and England during day; wind inclined to back to the South-Westward in the west of Ireland in evening. Strong Westerly gale springing up over the Baltic.

Barometer highest, 30.3 ins. and upwards in Portugal, 30.0 ins. and upwards over nearly the whole of southern Europe and the Mediterranean. Lowest, 28.0 ins. and less in a deep depression having its centre near Christiania; gradients steep over nearly the whole of north-western and central Europe, with Denmark and the south of Scandinavia. Depression subsequently moving eastwards to the Baltic, and barometer rising in all parts of western Europe, but rise slackening considerably in the west of Ireland in evening.

Tuesday, 13th February.

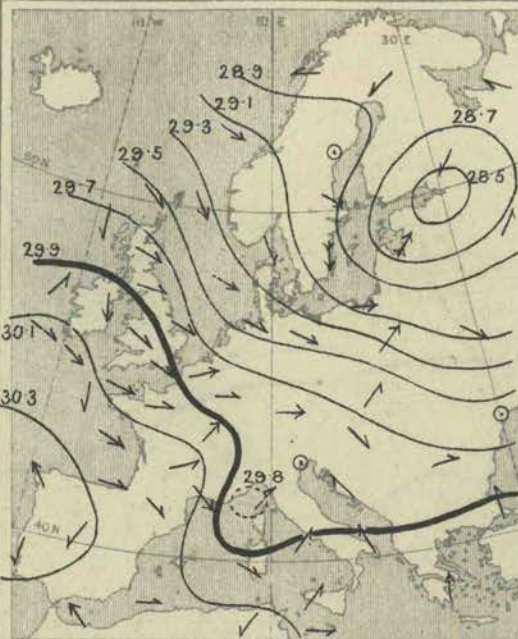
Temperature and Weather.

8 a.m.

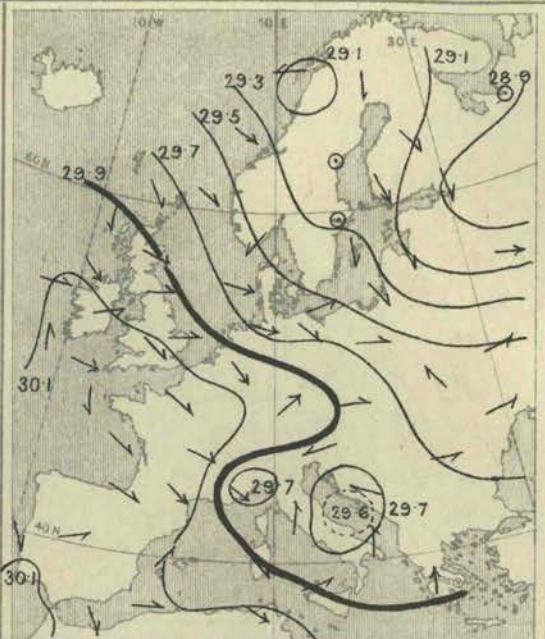


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of western Europe, but snow falling in the north of Scotland, and rain or sleet showers on our extreme south-west coasts. Dull in most of the eastern and central countries, as well as in France and Italy, with snow at Archangel, St. Petersburg and Münster, as well as at Christiansund, and with rain at Moscow and Trieste. Remaining fine all day over the greater part of England, but snow showers falling in Scotland, and a little rain or sleet in Ireland. Lunar halo seen at Pembroke.

Temperature fallen at all but the Russian, Austrian, and Italian stations. Morning readings highest, 56° at Patras, and 55° at Lésina and Malta, above 50° in many parts of southern Europe, but below 40° over central Spain. Lowest, -5° Fahr. at Uleaborg, -1° at Haparanda, +15° at Archangel, and +17° at Hernösand; below the freezing point over the whole of Scandinavia and northern Russia, as well as in the central parts of Ireland and Scotland. Daily maxima below 40° in the north of Scotland, but above 45° in the southern parts of the Kingdom; above 55° in the south of France, and above 60° over Spain and southern Italy. Sharp frost occurring over Great Britain at night.

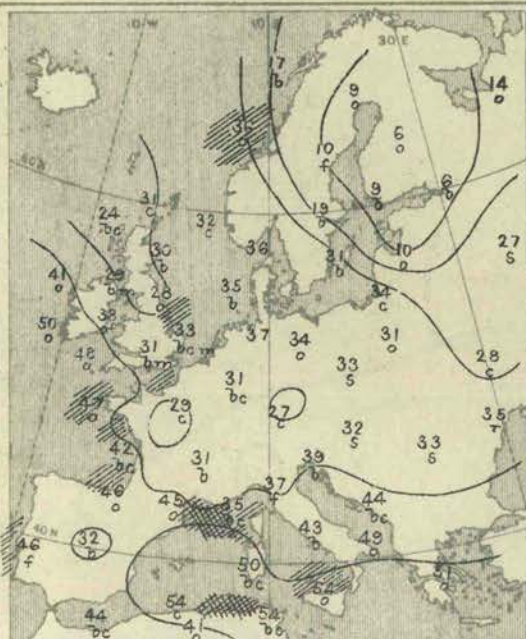
Wind light to fresh from the North-Westward over the greater part of western Europe, but South-Westerly in the north of Ireland. Strong from the Westward in Germany, and blowing a gale from West or South West over the Baltic Provinces, light from the Eastward or North-Eastward over the northern parts of Russia and Scandinavia. South-Westerly in Italy, but North-Easterly or Easterly in Spain and variable in Algeria. Subsequently backing to the Southward in the west of Ireland; no important change occurring elsewhere, but wind veering to the North-Westward over the Baltic Provinces and subsiding gradually.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying over the Spanish Peninsula. Lowest, 28.4 ins. and less in a depression lying over western Russia; 28.8 ins. and less in the north of Scandinavia, 29.8 ins. and less in a shallow disturbance over the Gulf of Genoa. Rise taking place during day in most parts of western Europe, but slight fall commencing in the west of Ireland. Depression over Russia moving eastwards and partially filling up.

Wednesday, 14th February.

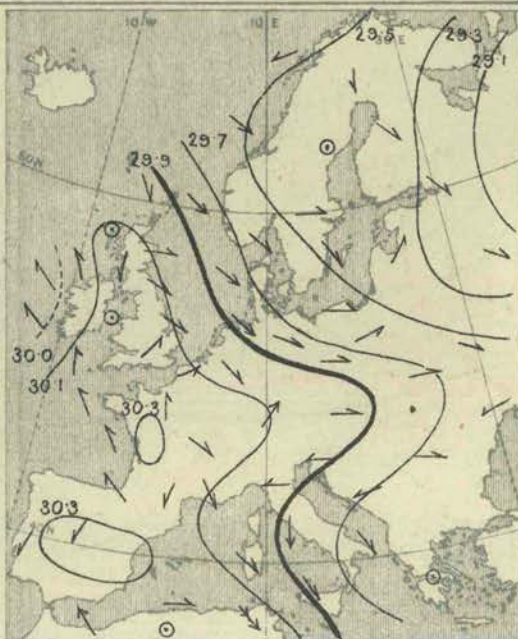
Temperature and Weather.

8 a.m.

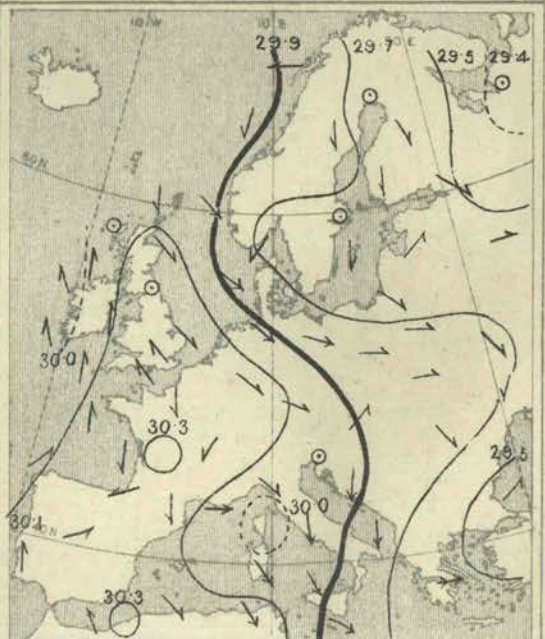


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of western and southern Europe, but dull in Ireland, the south-west of England, and the west and north of France. Dull in most of the eastern and central countries, with snow in many parts of Russia, Germany, and Austria. Rain setting in later over Ireland and spreading eastwards over a considerable portion of England. Solar halos seen at Jersey and Hurst Castle, and lunar halo at Ardrossan.

Temperature fallen in nearly all parts of our Islands and the Continent. Morning readings highest, (1) 54° at Palermo, Algiers, La Calle, and Tunis, and 53° at Barcelona; (2) 50° at Valencia (Ireland), 48° at Scilly, and 47° at Roche's Point. Lowest, 6° at Kuopio and St. Petersburg, 7° at Uleaborg, and 9° at Haparanda, Hangö, and Helsingfors; below the freezing point in many parts of north-western, northern, and central countries, including the northern and central parts of Great Britain. Remaining below 40° all day in the north of Scotland, and below 45° in all but the south-western and extreme southern parts of our Islands. Exceeding 55° over Spain and the southern parts of France and Italy, and reaching 63° at Oporto and San Fernando.

Wind light to moderate from the South-Eastward or Southward on the west coasts of our Islands and France, North-Westerly in the northern and eastern parts of Great Britain, and also in Finland, Scandinavia, and Denmark, and strong in force on the eastern shores of the North Sea. Westerly in Germany, Austria, and the south of Russia. Northerly or North-Westerly in Italy; North-Easterly in Spain; chiefly Southerly in Algeria. No important change occurring during day.

Barometer highest, 30.3 ins. and upwards over Spain and central France; 30.1 ins. and upwards in an anticyclone covering the whole of France, the Spanish Peninsula, and Algeria, and extending northwards in the form of a "ridge" over Great Britain. Lowest, 29.1 ins. and less in a large depression over northern Russia, 30.0 ins. and less in a shallow system off the west of Ireland. Latter depression subsequently spreading eastwards, and barometer falling slowly in all but the eastern parts of our Islands.

Thursday, 15th February.

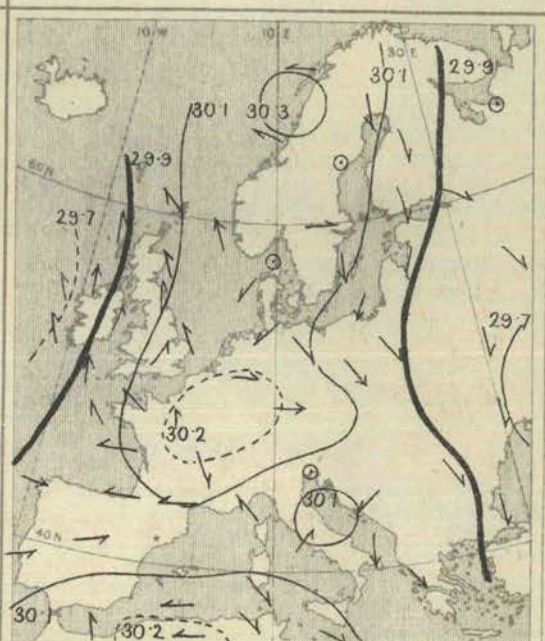
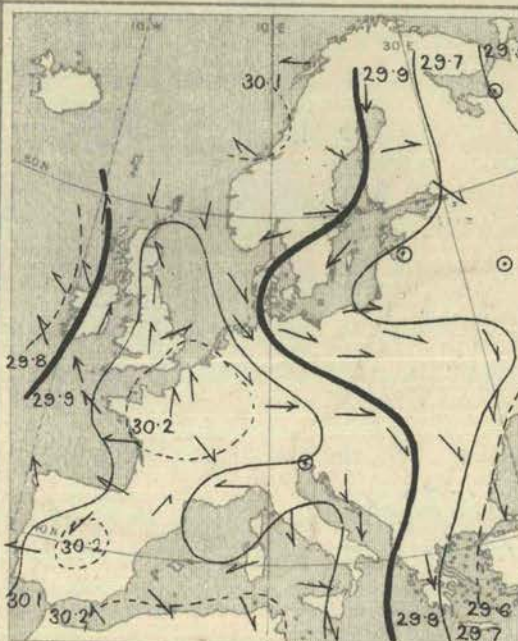
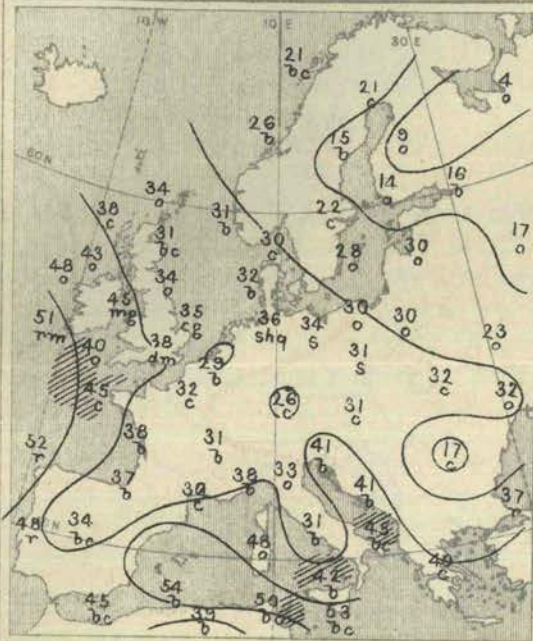
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather dull over the greater part of the United Kingdom, with mist and rain in many places. Fine in the east of Scotland, as well as over Scandinavia, the Netherlands, France, Spain, Italy, and the Mediterranean; dull over Russia and the northern and eastern parts of Germany, with snow in many places. Dull, rainy weather extending later to the east of Scotland; solar halos seen at some of the Channel stations.

Temperature risen in our Islands, as well as in Finland and Sweden, but fallen in most other countries. Morning readings highest, (1) 54° at Algiers, 53° at Malta, and 52° at Tunis; (2) 53° at Corunna, and 51° at Valencia Island (above 45° in the south-western parts of the United Kingdom generally). Lowest, (1) 4° at Archangel, 9° at Kuopio, 14° at Hangö and Helsingfors; (2) 20° at Nairn, and 31° at Aberdeen; below the freezing point in most parts of northern, eastern, and central Europe, including the eastern and central parts of Scotland. Daily maxima below 40° in the north of Scotland, but thermometer exceeding 50° at some of our south-western stations, and rising to 55° or more in the west of France and many parts of southern Europe.

Wind light to moderate from the South-Eastward or Southward over our Islands and the west and north of France, and from the Eastward in the west of Norway. Northerly or North-Westerly in Finland, Sweden, and Denmark, as well as in Austria and Italy, but Westerly in Germany. North-Easterly or Easterly in Spain; but variable in Algeria. Subsequently freshening a little from the Southward on many parts of our western coasts; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in two areas, one lying over France and Belgium, and the other over Spain and Algeria. Lowest, 29.5 ins. and less in a depression over northern Russia, 29.6 ins. and less in another over the Black Sea; 29.3 ins. and less in a third off the west of Ireland. Barometer falling slowly over western Europe during day, but rising in the north; new anticyclone forming over Scandinavia.

Friday, 16th February.

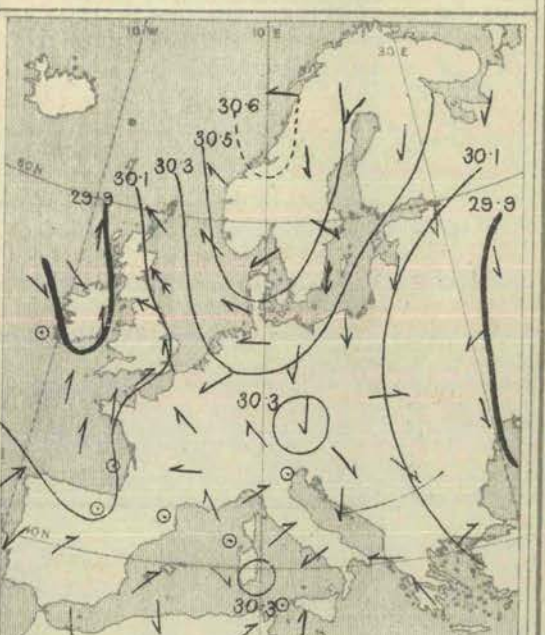
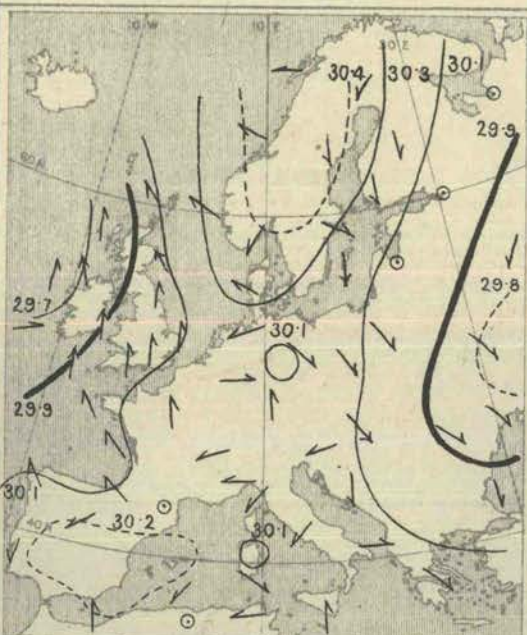
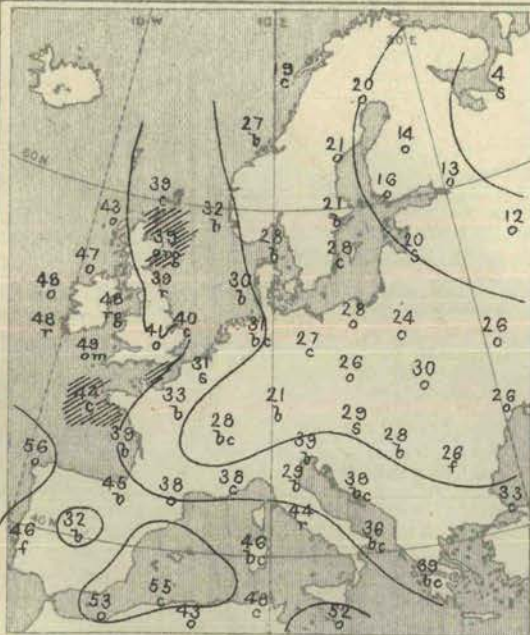
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather dull over the greater part of the United Kingdom, with rain at many of our western and northern stations. Fine and bright in Norway, Denmark, France, Spain, and the greater part of Italy, but rain falling at Rome. Dull in most of the other Continental countries, with snow in the Netherlands, as well as at Riga and Vienna. Heavy rain falling over the northern parts of our Islands during day, the largest amount being 1.3 ins. at Ardrossan. Snow falling in the south of Sweden. Solar and lunar halos seen in several places, and thunder occurring at Prawle Point.

Temperature risen in our Islands, changed rather irregularly elsewhere, but fallen in most places. Morning readings highest, (1) 56° at Corunna; (2) 55° at Oran and Algiers, and 52° at Malta; ranging between 45° and 49° in the western parts of the United Kingdom. Lowest, 4° at Archangel, 12° at Moscow, 13° at St. Petersburg, and 14° at Kuopio, below the freezing point in nearly all parts of northern, eastern, and central Europe. Daily maxima below 45° in the north and east of our Islands, but thermometer reaching 50° or more at several of our western stations, as well as in the west and south of France.

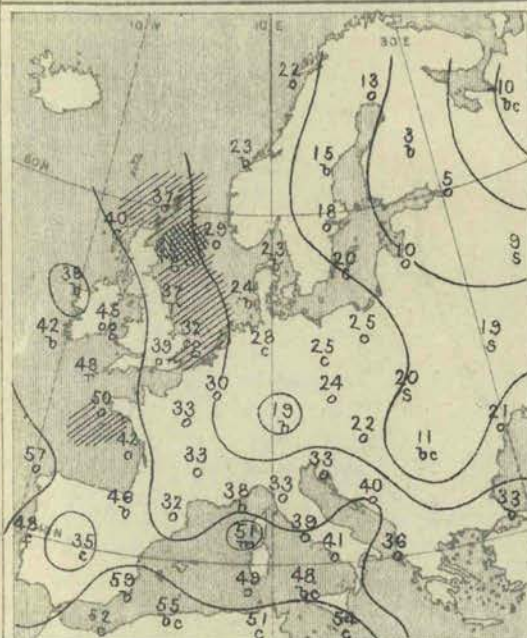
Wind Southerly or South-Easterly over nearly the whole of western Europe; fresh in force on many parts of our western and northern coasts, and strong in the north of Scotland. Light to fresh from the Northward or North-Westward over Sweden, Russia, eastern Germany, and Austria. North-Easterly or Easterly in Spain and northern Italy, as well as at several of the Algerian stations. Subsequently increasing to a gale from the Southward and South-Eastward in the north-east of Scotland, but shifting to the North-Westward in Ireland. No important change occurring on Continent.

Barometer highest, 30.4 ins. and upwards in a large anticyclone lying over Scandinavia, 30.2 ins. and upwards in another system lying over the central and southern parts of Spain. Lowest, 29.6 ins. in a depression over the south of Russia; 29.7 ins. and less in a "V" shaped disturbance lying to the westward of our Islands. Latter disturbance subsequently spreading slowly eastwards, but barometer rising in most parts of the United Kingdom. Anticyclone over Scandinavia increasing both in size and height.

Saturday, 17th February.

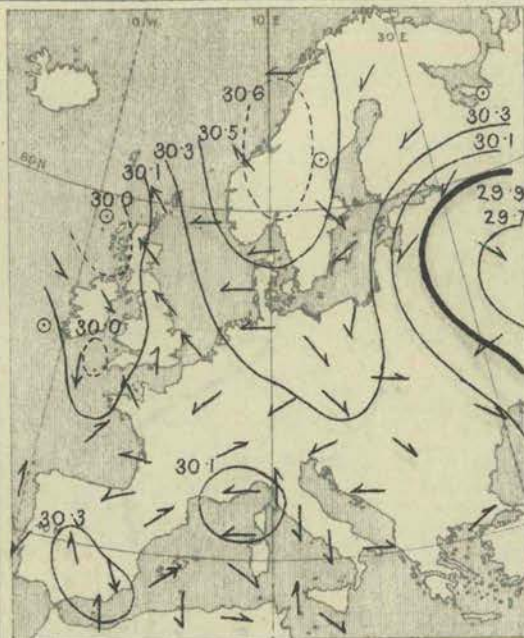
Temperature and Weather.

8 a.m.

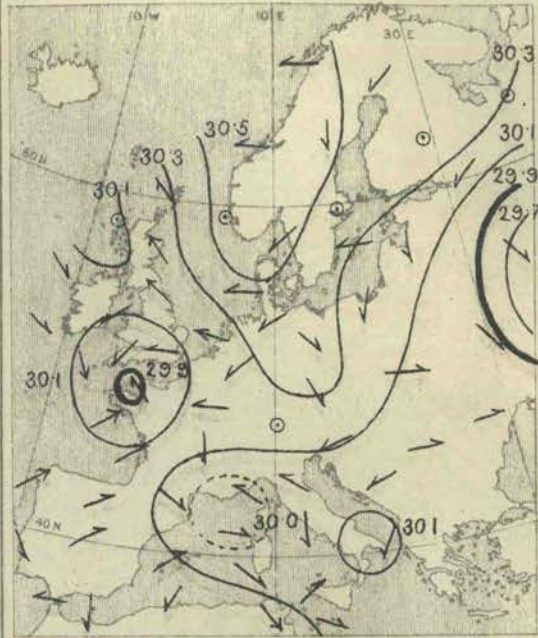


Barometer and Wind.

8 a.m.



6 p.m.



Weather dull and rainy in most parts of Great Britain, but fine in Ireland. Fine in Scandinavia and Denmark, as well as in Spain and the south of France, but dull in other parts of the Continent, with snow in Poland and the south of Russia. Heavy rain falling later in many parts of Great Britain (with snow in some of the northern districts) and extending to the northern parts of France. Sky clearing at several of our western stations in evening. Temperature fallen at all but the French and Spanish stations—quickly in Ireland. Morning readings highest, (1) 57° at Corunna; (2) 55° at Algiers, 54° at Malta, and 52° at Oran; above 45° in the west of France and the south-west of England. Lowest, - 10° Fahr. at Archangel, + 3° at Kuopio, 4° at Helsingfors, and 5° at St. Petersburg; below the freezing point over the whole of northern, eastern, and central Europe. Daily maxima below 40° at most of our own northern, eastern, and south-eastern stations, but thermometer rising to between 45° and 50° in the west and south-west of our Islands. Daily maxima exceeding 60° in Spain and the extreme southern parts of France and Italy.

Wind light to moderate from the North-Westward in the western parts of the United Kingdom, but strong from the South-Eastward on our north and east coasts, with a gale at Wick. Light from the Eastward over Norway, Denmark, and the Netherlands. Northerly or North-Easterly over Sweden, Finland, and the Baltic, but North-Westerly in the western and southern parts of Russia. Variable over France, southern Europe, and the Mediterranean. Subsequently increasing to a moderate gale from the South-Eastward on our south-east coasts; South-Westerly breezes setting in over the Bay of Biscay and the north of Spain.

Barometer highest, 30.6 ins. and upwards in an anticyclone lying over Scandinavia. Lowest, 29.6 ins. and less in a large depression over the southern parts of Russia; 30.0 ins. and less in two other systems—one lying over the west of Scotland, and the other over the south-west of England; 30.1 ins. and less in a shallow disturbance over the Gulf of Genoa. Small disturbance over the south-west of our Islands subsequently increasing both in size and depth, and travelling in a south-easterly direction across the English Channel.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

In the course of this week a decided change has taken place in the distribution of pressure over Europe. At the commencement of the period the barometer remained highest over Spain, and, on the night of the 11th, the centre of a deep depression travelled eastwards across Scotland and the North Sea, its progress being attended by severe Westerly gales over nearly the whole of the United Kingdom. On the 12th and 13th the depression passed across the south of Scandinavia to Russia, and the winds in our Islands, therefore, veered to the North-Westward and fell light.

During the remainder of the week the weather over the United Kingdom was influenced by a "V" shaped depression which advanced very slowly from the westward, and which occasioned heavy falls of rain or snow in nearly all districts. Simultaneously with this movement, a large anticyclone passed over Scandinavia, so that a decided increase in the gradients took place over our northern coasts, with gales from the Southward or South-Eastward on the 16th and 17th. On the 17th the depression split into two portions, one of which filled up off the west of Scotland, while the other increased somewhat in depth, and travelled from our south-west coasts across the Channel to the west of France, and, at the end of the week, the northern anticyclone was beginning to spread south-westwards towards our Islands.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 38.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	11.5	?	18	?	EASTBOURNE	22.1	?	32	?
OSWALDKIRK (Yorkshire)	21.0	?	31	?	TENBY	14.8*	?	23*	?
WORKSOP	18.3	+ 4.3	27	+ 6	NEWQUAY	12.0	?	17	?
THURCASTON (Leicestershire)	11.9	- 1.0	18	- 1	TORQUAY	19.2*	?	28*	?
MARGATE	22.9	?	33	?	ARLEY COTTAGE (County Cavan)	15.3	?	23	?
WESTBOURNE (Sussex)	22.7*	?	33*	?	GUERNSEY	25.6*	?	37*	?
BRIGHTON	22.3	?	32	?					

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 8.]
Third Series.

WEEK ENDING SATURDAY, 24TH FEBRUARY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 44.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	49	29	43.3	35.0	39.2	1 above.	Day-deg. 4	Day-deg. - 1	Day-deg. 26	Day-deg. - 8	Day-deg. 34	Day-deg. - 17	Day-deg. 296	Day-deg. + 32
	1. SCOTLAND, EAST	51	25	42.5	31.9	37.2	1 below.	1	- 9	36	+ 2	35	- 32	346	+ 43
	2. ENGLAND, N.E.	47	17	40.4	28.4	34.4	5 below.	0	- 11	53	+ 24	67*	0	294*	+ 19
	3. ENGLAND, EAST.	50	19	39.9	25.3	32.6	7 below.	0	- 12	66	+ 33	92	+ 24	335	+ 19
	4. MIDLAND COUNTIES.	47	16	41.1	24.4	32.8	7 below.	0	- 14	64	+ 34	100	+ 16	315	+ 5
	5. ENGLAND, SOUTH	53	20	41.8	28.6	35.2	6 below.	0	- 16	48	+ 23	114*	+ 16	244	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	48	25	42.3	34.8	38.6	2 below.	1	- 9	26	+ 1	65	- 11	215	- 6
	7. ENGLAND, N.W.	50	22	42.6	30.7	36.7	4 below.	2	- 8	40	+ 15	97*	+ 28	220*	- 8
	8. ENGLAND, S.W.	51	21	43.7	30.7	37.2	5 below.	5	- 13	41	+ 21	161	+ 36	179	+ 7
	9. IRELAND, NORTH	51	25	45.9	34.7	40.4	1 below.	11	- 4	29	+ 6	105	- 7	228	+ 31
	10. IRELAND, SOUTH	54	24	47.9	34.3	41.1	2 below.	17	- 5	31	+ 14	191	+ 26	166	+ 15
	-CHANNEL ISLANDS	52	27	45.7	36.6	41.2	4 below.	10	- 12	22	+ 16	210	+ 34	93	+ 28

DISTRICTS. (See p. 44.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	11	0 (average)	47	+ 6	11.3	+ 5.0	7	- 7	10	- 10	42	- 19	13	- 4
	1. SCOTLAND, EAST	4	5	1 less.	41	+ 11	8.1	+ 3.1	17	+ 5	29	+ 6	93	+ 2	25	0
	2. ENGLAND, N.E.	2	1	3 less.	34	+ 6	4.2	+ 6.7	23	+ 6	33	+ 8	108	+ 23	23	+ 5
	3. ENGLAND, EAST.	2	2	3 less.	32	+ 3	2.8	- 9.8	45	+ 27	63	+ 37	157	+ 54	33	+ 12
	4. MIDLAND COUNTIES.	2	3	2 less.	38	+ 9	4.2	- 0.1	37	+ 20	52	+ 28	126	+ 35	26	+ 8
	5. ENGLAND, SOUTH	1	2	3 less.	34	+ 6	4.6	0.0	47	+ 25	65	+ 35	159	+ 47	29	+ 10
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	14	4 more.	45	+ 9	13.5	+ 3.5	11	- 6	15	- 8	77	- 6	16	- 1
	7. ENGLAND, N.W.	2	4	1 less.	39	+ 7	6.6	+ 1.3	19	+ 5	26	+ 6	88*	+ 15	21	+ 3
	8. ENGLAND, S.W.	2	5	3 less.	39	+ 6	7.1	- 0.1	38	+ 18	53	+ 25	140	+ 23	27	+ 6
	9. IRELAND, NORTH	5	7	0 (average)	44	+ 7	9.0	+ 3.1	14	- 2	20	- 3	93	- 3	20	0
	10. IRELAND, SOUTH	3	6	2 less.	42	+ 7	7.6	+ 0.4	19	0	27	0	113	- 2	23	0
	-CHANNEL ISLANDS	2	3	4 less.	41	+ 4	6.0	+ 0.1	36	+ 9	49	+ 13	165	+ 20	32	+ 4

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued unsettled, with rain almost daily, on our extreme north-western coasts, but in all other parts of the Kingdom the conditions were, during the greater part of the period, dry, cold, and fine. By the end of the week, however, mild, rainy weather was again spreading over us from the westward and the north-westward.

Temperature was a little above the mean in Scotland N., but below it elsewhere, the deficit ranging from only 2° in the east and west of Scotland and over Ireland, to as much as 5° in England N.E. and S.W., 6° in England S., and 7° over the Midland Counties and England E. The highest of the maxima were registered towards the close of the week, and ranged from 54° in England S., and 53° in England N.E. and the Midland Counties. The absolute minima for the week were experienced between the 19th and 21st, when the thermometer fell to between 16° and 22° over England, to 24° in Ireland, and to between 25° and 29° in Scotland. At Workop the sheltered thermometer is reported to have fallen to 8° 8, and one on the snow fully exposed to the sky to - 1° 5.

Rainfall again exceeded the mean in the west of Scotland and just equalled it in the

northern parts of Ireland and Scotland, but showed a considerable deficit in nearly all other places.

Bright Sunshine was very prevalent over England, and greatly exceeded the mean, but in most parts of Ireland and Scotland the amount recorded was deficient. The percentage of the possible duration ranged from 52 to 65 over the greater part of England, to 29 in Scotland E., 20 in Ireland N., 15 in Scotland W., and to only 10 in Scotland N.

Barometer and Wind.—During the earlier part of the week the distribution of pressure over our Islands was anticyclonic, with moderate or slight gradients for Easterly and North-Easterly winds in the south, and for Southerly winds in the north. As the week advanced, however, the anticyclone moved southwards, pressure gave way in the north-west and north, and, towards the end of the period, deep depressions were again travelling past our north-western and northern coasts from the Atlantic to Scandinavia, causing strong South-Westerly to Westerly winds and gales on all our more northern and north-western coasts. The gale experienced in the west and north of Scotland on Friday was of extreme violence.

II.—DATA from which the SUMMARY on page 43 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	46	33	42.9	36.9	39.9	+1.5	3	18	6	0.90	+0.12	*	*	*
	Stornoway	47	32	43.9	34.9	37.4	+0.3	5	26	7	2.09	+1.15	9.6	-7.4	14
	Wick	46	30	42.3	35.3	38.8	+0.6	1	24	2	0.21	-0.31	*	*	*
	Laing	45	31	42.6	33.1	37.9	+1.1	2	32	4	0.43	-0.34	*	*	*
	Glencarron	46	29	43.4	33.2	38.3	+0.9	4	32	6	1.36	-0.15	*	*	*
	Fort Augustus	49	31	44.7	34.5	39.6	+1.1	8	23	6	0.85	-0.04	6.6	?	10
1. SCOTLAND, E.	Fort William	47	34	43.6	36.8	40.2	+0.8	4	19	6	1.70	-0.17	4.5	?	7
	Nairn	51	30	45.6	33.7	39.7	+1.1	10	32	5	0.15	-0.22	*	*	*
	Aberdeen	50	33	43.6	34.0	38.8	+0.1	4	23	2	0.15	-0.45	23.8	+5.0	34
	Braemar	41	28	38.1	30.6	34.4	-1.1	0	53	4	0.58	-0.13	14.3†	†	21†
	Ochertyre	48	28	43.6	31.0	37.3	-0.5	4	40	4	0.90	+0.05	*	*	*
	Leith	48	29	43.7	31.9	37.8	-2.4	5	37	3	0.59	+0.25	*	*	*
2. ENGLAND, N.E.	Marchmont	45	25	40.4	30.0	35.2	-2.6	0	48	3	0.80	+0.22	16.0	?	23
	Alnwick Castle	46	27	40.9	31.4	36.2	-2.5	0	41	3	0.23	-0.30	*	*	*
	Durham	46	20	40.3	26.0	33.2	-5.3	0	62	3	0.14	-0.26	22.1	+5.1	32
	Shields	47	25	42.1	29.6	35.9	-4.0	0	44	1	0.08	-0.32	*	*	*
	Scarborough	43	25	39.3	28.9	34.1	-5.8	0	55	2	0.02	-0.39	*	*	*
	York	45	17	38.9	23.6	31.2	-8.4	0	75	1	0.10	-0.32	22.7	+7.7	32
3. ENGLAND, E.	Spurn Head	45	29	41.0	30.7	35.9	-3.4	0	43	2	0.03	-0.30	*	*	*
	Hillington	46	21	40.2	24.5	32.4	-7.1	0	67	4	0.15	-0.29	44.7	+27.2	63
	Yarmouth	45	25	38.0	28.6	33.3	-5.5	0	61	1	0.12	-0.35	*	*	*
	Gedeston	48	20	40.5	25.6	33.1	-6.7	0	62	1	0.22	-0.18	47.1	+28.1	66
	Cambridge	50	19	42.3	23.0	32.7	-7.2	1	67	1	0.10	-0.27	41.7	+23.9	59
	Rothamsted	48	20	38.7	24.7	31.7	-7.3	0	72	2	0.32	-0.17	45.0	?	63
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	45	?	40.1	?	?	?	?	?	2	0.08	-0.31	*	*	*
	Loughborough	47	16	42.3	21.7	32.0	-8.0	1	71	2	0.26	-0.11	*	*	*
	Stamford (Ketton Hall)	47	16	40.6	21.7	31.2	-9.3	0	76	2	0.17	-0.25	*	*	*
	Cheadle	44	16	39.3	24.0	31.7	-6.7	0	72	2	0.32	-0.28	*	*	*
	Churchstoke	46	20	42.1	25.9	34.0	-5.3	0	56	2	0.54	-0.06	31.6	+14.7	44
	Hereford	47	21	42.0	25.9	34.0	-6.8	0	56	2	0.25	-0.23	*	*	*
5. ENGLAND, S.	Cirencester	46	20	40.7	25.4	33.1	-5.9	0	62	1	0.18	-0.42	42.5	+21.7	60
	Oxford	47	23	41.6	26.0	33.8	-6.5	0	57	1	0.18	-0.27	43.8	+26.5	62
	London	49	21	41.7	26.0	33.9	-7.1	0	57	1	0.20	-0.20	28.2†	+16.4†	40†
	North Foreland	47	28	39.6	31.6	35.6	-4.9	0	45	1	0.10	?	*	*	*
	Strathfield Turgiss	48	20	41.4	25.0	33.2	-7.0	0	62	1	0.20	-0.28	*	*	*
	Dungeness	53	25	42.0	29.7	35.9	-4.7	0	43	1	0.09	-0.38	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	48	27	41.4	29.9	35.7	-5.3	0	44	1	0.14	-0.33	55.6	+33.0	77
	Southampton	52	25	44.5	27.7	36.1	-5.7	7	52	1	0.45	-0.13	44.0	+25.0	61
	Hurst Castle	48	29	42.6	32.9	37.8	-3.7	2	33	1	0.20	-0.30	*	*	*
	Stowell	46	23	41.0	26.2	33.6	-6.4	0	59	2	0.17	?	*	*	*
	Laudale (Loch Sunart)	48	33	43.5	36.2	39.9	-0.6	4	22	6	2.33	+0.57	*	*	*
	Glasgow	47	31	42.1	35.2	38.7	-1.1	0	24	4	0.91	+0.13	6.2	-7.5	9
7. ENGLAND, N.W.	Ardrossan	46	34	43.3	26.1	39.7	-0.9	4	22	5	0.93	+0.25	*	*	*
	Glenlee	40	25	39.1	31.9	35.5	-3.0	0	46	4	2.08	+1.03	*	*	*
	Douglas (Isle of Ma.)	47	31	43.3	34.6	39.0	-2.0	4	27	2	0.68	-0.10	14.8	-4.7	21
	Stonyhurst	45	22	39.6	28.4	34.0	-5.7	0	56	2	0.83	-0.03	17.4	+0.7	25
	Blackpool	48	25	41.8	29.1	35.5	-4.5	0	46	3	0.50	-0.03	17.7	+0.7	25
	Manchester	45	25	41.8	29.3	35.6	-3.7	70	45	2	0.43	-0.10	16.2†	†	23†
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	49	25	42.3	30.6	36.5	-4.3	1	40	2	0.16	-0.24	*	*	*
	Llandudno	50	29	45.1	32.9	39.0	-3.1	9	34	2	0.32	-0.19	29.3	+11.5	41
	Holyhead	49	31	45.1	34.0	39.6	-2.6	9	31	3	0.36	-0.24	*	*	*
	Llandovery	49	21	45.7	27.1	36.4	-5.3	10	55	2	0.98	0.00	*	*	*
	Pembroke	47	32	43.3	35.4	39.4	-3.1	4	24	2	0.48	-0.20	38.7	+17.5	55
	Bristol (Montpelier)	50	24	42.8	28.3	35.6	-5.3	2	49	1	0.41	?	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	46	21	42.9	27.7	35.3	-5.0	3	51	2	0.86	-0.16	*	*	*
	Cullompton	50	22	43.3	26.7	35.0	-6.0	4	51	2	0.37	-0.35	35.6	+17.3	49
	Falmouth	49	31	44.2	35.2	39.7	-4.5	6	25	2	0.47	-0.45	38.3	+15.8	53
	Plymouth	48	27	43.9	31.9	37.9	-5.3	5	37	1	0.29	-0.39	41.4	+19.9	57
	Prairie Point	51	30	43.4	33.4	38.4	-4.2	4	31	1	0.14	-0.34	*	*	*
	Malin Head	49	34	45.7	37.3	41.5	-1.1	10	19	6	0.36	?	*	*	*
10. IRELAND, S.	Londonderry	50	32	45.8	35.3	40.6	-1.0	11	26	5	0.73	+0.08	*	*	*
	Edenfel (Omagh)	51	28	45.3	32.9	39.1	-1.1	9	34	5	1.02	+0.44	*	*	*
	Belmullet	51	37	48.4	39.1	43.8	+1.2	25	8	6	0.84	?	*	*	*
	Markree Castle	51	27	46.7	33.6	40.2	-0.8	13	33	6	1.04	+0.37	14.0	-2.2	20
	Brookeborough	50	28	45.7	33.9	39.8	-0.2	10	31	5	0.72	+0.02	*	*	*
	Armagh	49	30	45.0	34.5	39.8	-0.7	8	29	3	0.41	-0.15	13.6	-2.5	19
CHANNEL ISLANDS	Donaghadee	48	25	45.1	33.0	39.1	-2.2	9	34	2	0.39	-0.19	*	*	*
	Edgeworthstown	49	27	45.7	32.9	39.3	-0.9	10	34	3	0.46	-0.23	*	*	*
	Dublin	52	32	46.1	35.3	40.7	-2.1	11	26	2	0.27	-0.25	20.0	+0.8	28
	Parsonstown	52	29	47.9	32.7	40.3	-1.2	17	37	2	0.53	+0.02	16.6	-2.2	23
	Kilkenny	51	25	46.4	31.1	38.8	-3.7	12	42	3	0.51	-0.09	*	*	*
	Waterford	51	24	46.6	30.7	38.7	-5.1	13	43	2	0.42	-0.40	*	*	*
CHANNEL ISLANDS	Roche's Point	51	34	48.0	36.4	42.2	-1.8	25	16	2	0.85	-0.19	*	*	*
	Valencia	53	33	49.9	37.4	43.7	-1.5	31	13	3	0.62	-0.53	21.3	+1.1	30
	Killarney	53	28	49.5	35.1	42.3	-2.5	31	19	5	1.06	?	*	*	*
	Foynes	54	33	49.0	35.4	42.2	-1.1	29	18	3	0.61	?	*	*	*
	Scilly (St. Mary's)	50	37	46.7	39.3	43.0	-3.0	8	18	1	0.32	-0.29	37.3	?	52
	Jersey	52	27	44.7	33.9	39.3	-4.0	8	30	2	0.10	-0.43	*	*	*

Stations marked *fl* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

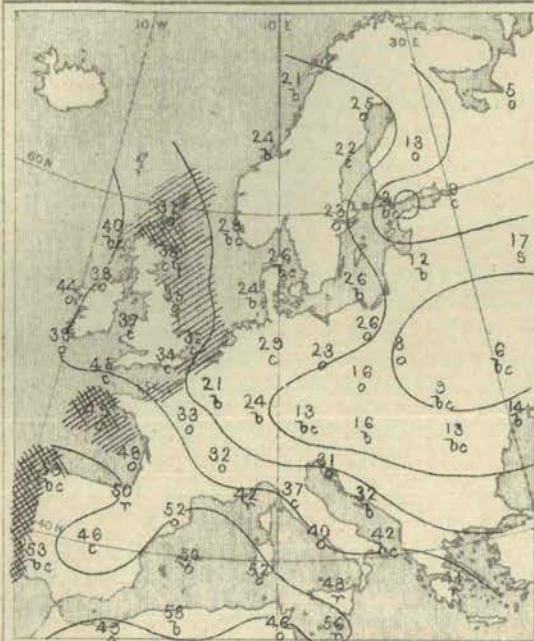
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 18th February.

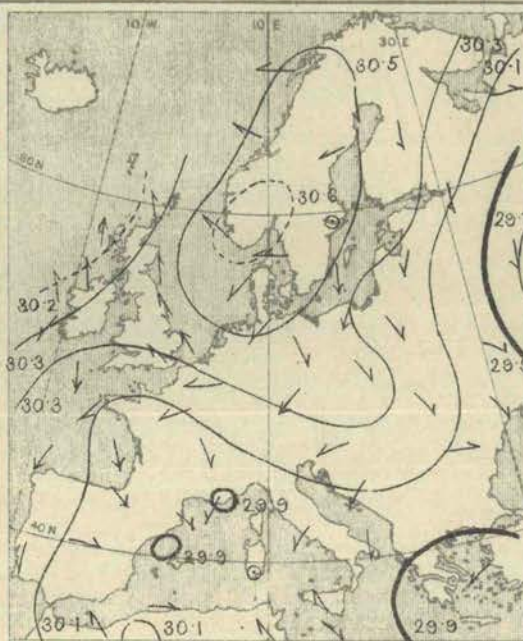
Temperature and Weather.

8 a.m.

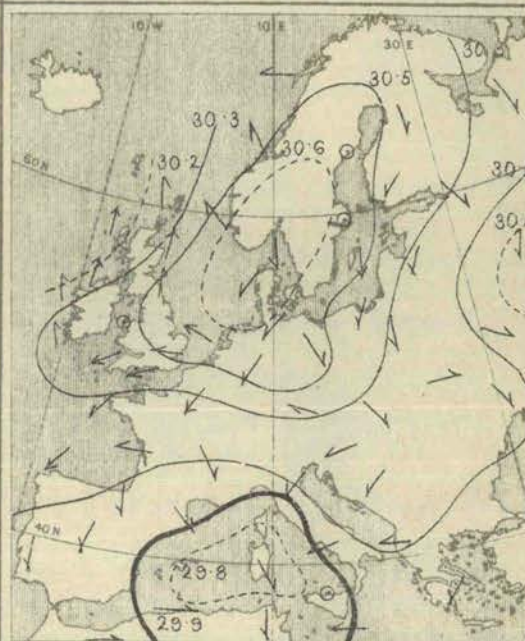


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Norway, the eastern shores of the North Sea, the Baltic, the west and south of Germany, and south-eastern Europe, also on the Portuguese coast; overcast and unsettled over France and the north-east of Spain, as well as the Mediterranean, with rain in several places; overcast in Ireland also, and unsettled. Clearing later over the United Kingdom generally, the English Channel, and greater part of France, but remaining overcast on the shores of the Bay of Biscay, and raining a great deal in the south and south-west of France, as well as at several of the more southern of the Mediterranean stations.

Temperature rising over France, as well as over the northern half of Russia, falling over the British Islands. Morning readings highest, 58° at Algiers, and exceeding 50° on the southern and western shores of the Mediterranean, exceeding 40° in the west of France and at Sicily. Lowest, (1) 0° Fahr. at Helsingfors, 2° at Hangö, 5° at Archangel, 9° at St. Petersburg, 12° at Riga; (2) 6° at Kiev, 8° at Warsaw, 9° at Lemberg, and below 20° over Austria-Hungary and south Germany; (3) below the freezing point over central England.

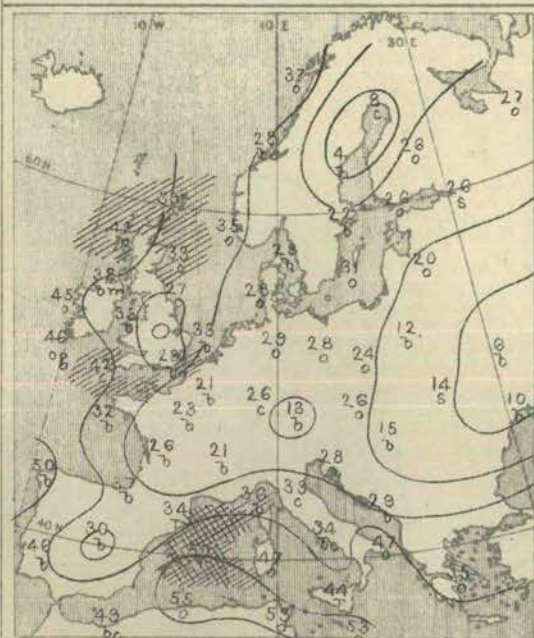
Wind (1) light and anticyclonic over Scandinavia, the North Sea, and north Germany; (2) Northerly over the Baltic Provinces and eastern Prussia, North-Westerly over Poland and Hungary, Westerly in the south of Russia; (3) East-South-Easterly, strong over the east of England, North-Easterly, moderate, in the south-west, Northerly to North-Westerly and strong over the Bay of Biscay; (4) Southerly, moderate over Scotland and the north of Ireland. Southerly wind freshening later, and spreading all over Ireland. Easterly wind moderating in the east and south of England, but strong North-Easterly wind setting in over northern parts of Mediterranean.

Barometer highest, 30.6 ins. and more to 30.4 ins. in an anticyclone covering Scandinavia, the Baltic, north-western Germany, Denmark, and the North Sea. Lowest, (1) 29.7 ins. over central Russia; 30.0 ins. and less in a depression over the west of France; 30.2 ins. and less off our extreme north-western coasts. French depression moving southwards later, and barometer rising over England—but inclined to fall in extreme north-west of our Islands.

Monday, 19th February.

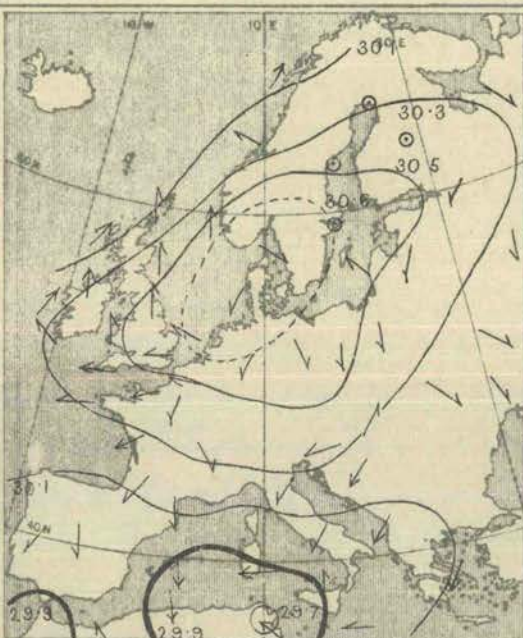
Temperature and Weather.

8 a.m.

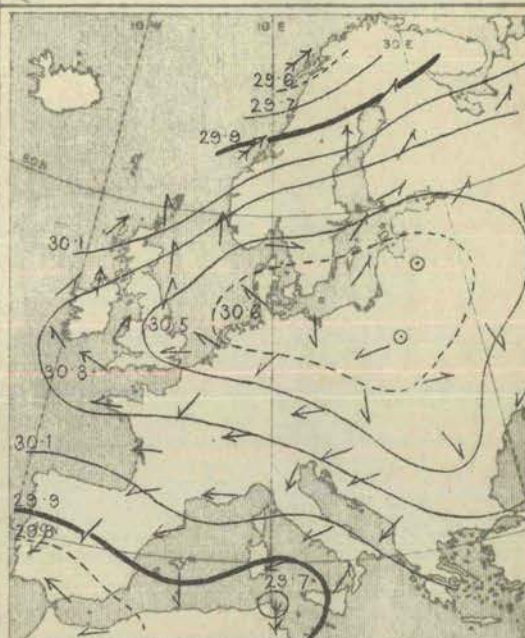


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern, south-eastern, and central Europe, as well as over France, England, the North Sea, and many parts of Scandinavia; dull and threatening on our extreme north-western and northern coasts, slight snow reported at St. Petersburg, Lemberg, and Pesaro, rain at Perpignan, Palma, Malta, and Tunis. Some rain later in Norway and the northern parts of Scotland and Ireland, and a considerable fall at Perpignan, and large quantities over Tunis and Sicily.

Temperature fallen fast over France and England, risen over northern Europe. Morning readings highest, 50° at Corunna, 46° at Lisbon and Valencia (Ireland), 45° at Belmullet, 42° at Scilly and Stornoway. Lowest, (1) 4° Fahr. at Helsingfors, 14° at Uleaborg; (2) 3° at Kharkov, 6° at Odessa and Kiev, 10° at Nicolaieff, 13° at Munich; (3) 19° at Loughborough, 22° at Cambridge, 24° at Oxford. Rising later to 48° at Valencia, but not touching 40° at most of the eastern and midland stations in England nor at Paris; scarcely exceeding 50° even over the south of Italy.

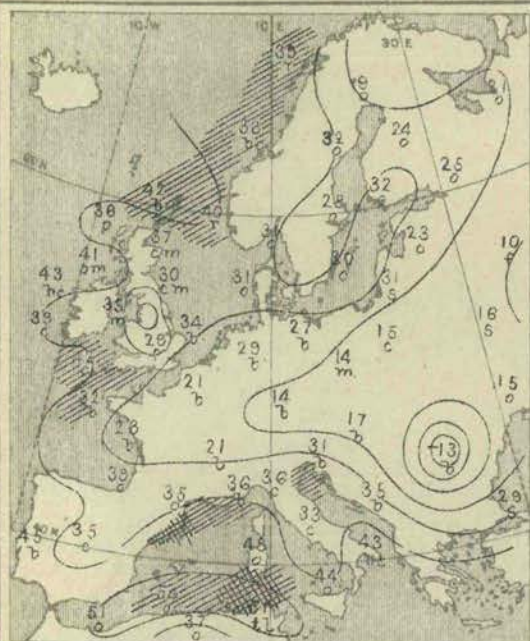
Wind (1) light to moderate and anticyclonic over central Europe, the Baltic, Sweden, Denmark, and the North Sea; (2) strong to a gale from North-East and East over the northern half of the Mediterranean, fresh, Easterly, over France, the Bay of Biscay, and English Channel; (3) Southerly, moderate to strong, over Ireland, Scotland, and the west of Norway (a gale at Stornoway). The Easterly wind becoming strong over the south-west of France later, but moderating over the Channel and south England.

Barometer highest, 30.6 ins. and more to 30.3 ins. in a large anticyclone covering the greater part of Europe—its central part over the North Sea, Denmark, and the south of Scandinavia. Lowest, (1) 29.7 ins. and less to 29.3 ins. in a depression over Tunis and Algeria; (2) below 30.1 ins. in the extreme south of France, and off our own extreme north-west coasts. Gradients rather steep over Scotland. Falling fast over Scandinavia later, inclined to rise over Ireland.

Tuesday, 20th February.

Temperature and Weather.

8 a.m.

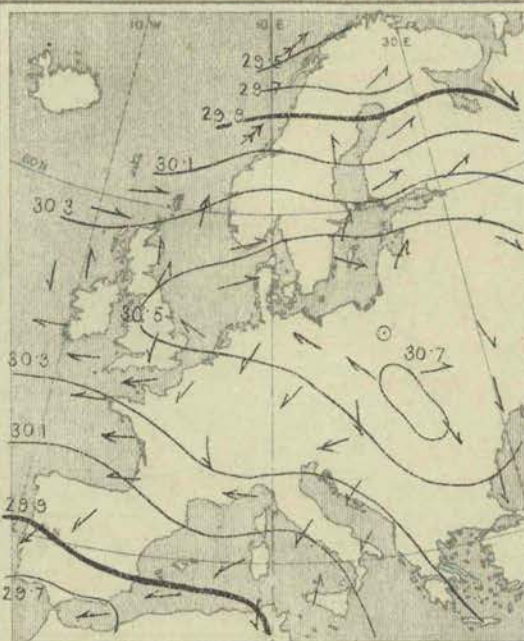


Weather in morning fine and bright over south-western, western, and central Europe, as well as the British Islands, dull over northern Europe, with rain on the Norwegian coast, snow falling at Memel and at most of the stations in the south of Russia, at Lemberg and Constantinople. Some rain later in Norway and the extreme north of our Islands, considerable rain in Tunis and Sicily (and newspapers report heavy snow all day at Constantinople).

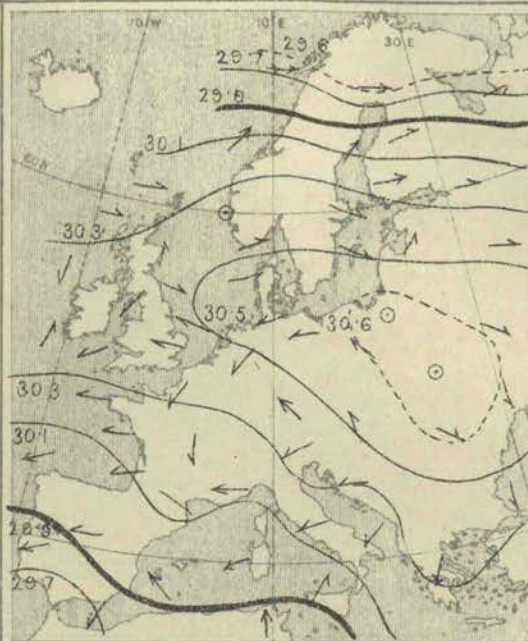
Temperature risen fast over Scandinavia and south of Russia, fallen over central Europe. Highest, 50° or more on the north coast of Africa only, but above 45° on the coast of Portugal, and above 40° in the north-west of Ireland. Lowest, -13° Fahr. at Hermanstadt, +2° at Cracow, 10° at Moscow, and 14° at Breslau, Munich, and Kharkov; below 20° in some parts of central England, and below the freezing point over nearly the whole of northern and central Europe; daily maxima scarcely exceeding 40° over the eastern and central parts of England, and very sharp frost prevailing again at night.

Barometer and Wind.

8 a.m.



6 p.m.



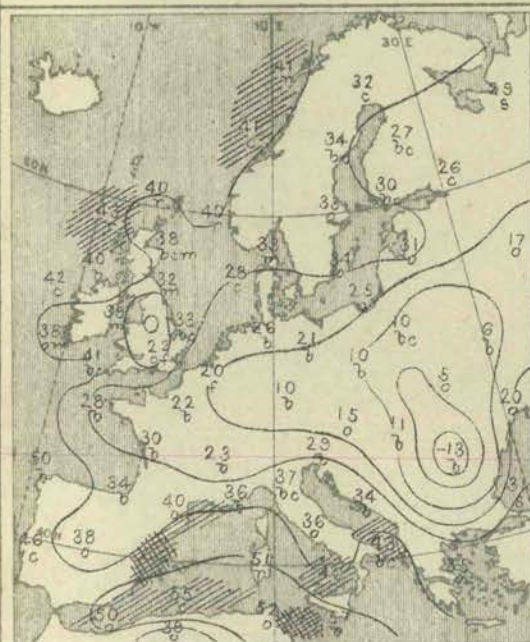
Wind very light and anticyclonic over central and south-eastern Europe, Easterly, moderate to strong, over the Mediterranean, the Peninsula, and Bay of Biscay; light and variable in Ireland, southerly to westerly over Scotland; strong from South-West over northern Europe, and blowing a gale in the north-west of Norway. The Easterly wind moderating over the Bay of Biscay later, hardly any other change.

Barometer highest, 30.7 ins. and more to 30.2 ins. in a large anticyclone covering nearly the whole of central, eastern, and western Europe, and having its central area over Austria-Hungary. Lowest, (1) 29.5 ins. and less over Finnmark; (2) 29.7 ins. and less over Morocco and the extreme south of Spain. No decided change before night.

Wednesday, 21st February.

Temperature and Weather.

8 a.m.

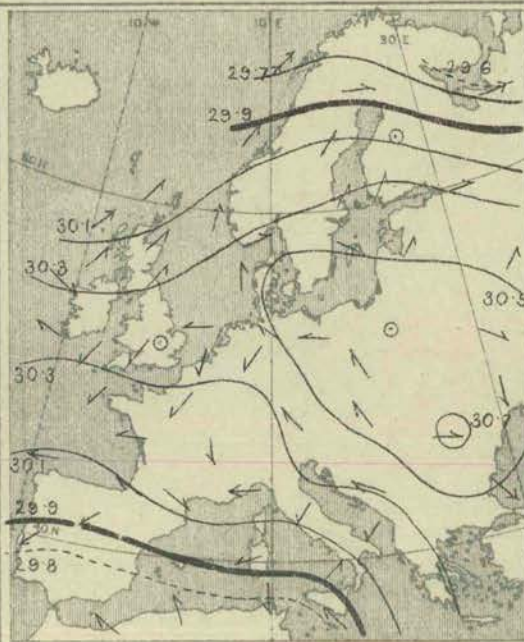


Weather in morning fine and dry over central and western Europe, with the greater part of the British Islands, dull and unsettled over northern and eastern Europe and over Spain, with rain in the Hebrides, Shetlands, and Norway, as well as at Cagliari and San Fernando, snow both at Archangel and Constantinople. Considerable rain later at several of the Scandinavian stations, and smaller quantities on our extreme northern coasts. Aurora and lightning seen at Wick, aurora at Pembroke.

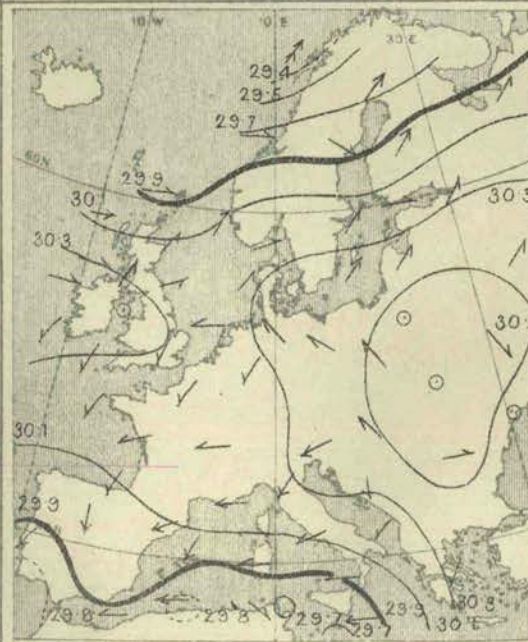
Temperature fallen over central Europe and continuing very low in all regions. Highest, 57° at Malta, and rather above 50° at some other stations on the southern side of the Mediterranean; above 40° on the Portuguese coast and at most stations in the extreme west and north of the British Islands and the west of Norway. Lowest, -13° Fahr. at Hermanstadt, 0° (zero) at Cracow, and below 20° over the greater part of central Europe; 17° at Loughborough, 20° at York. Changing irregularly over our Islands later—touching 50° at Aberdeen and in some parts of Italy, but not reaching 40° at our south-eastern stations.

Barometer and Wind.

8 a.m.



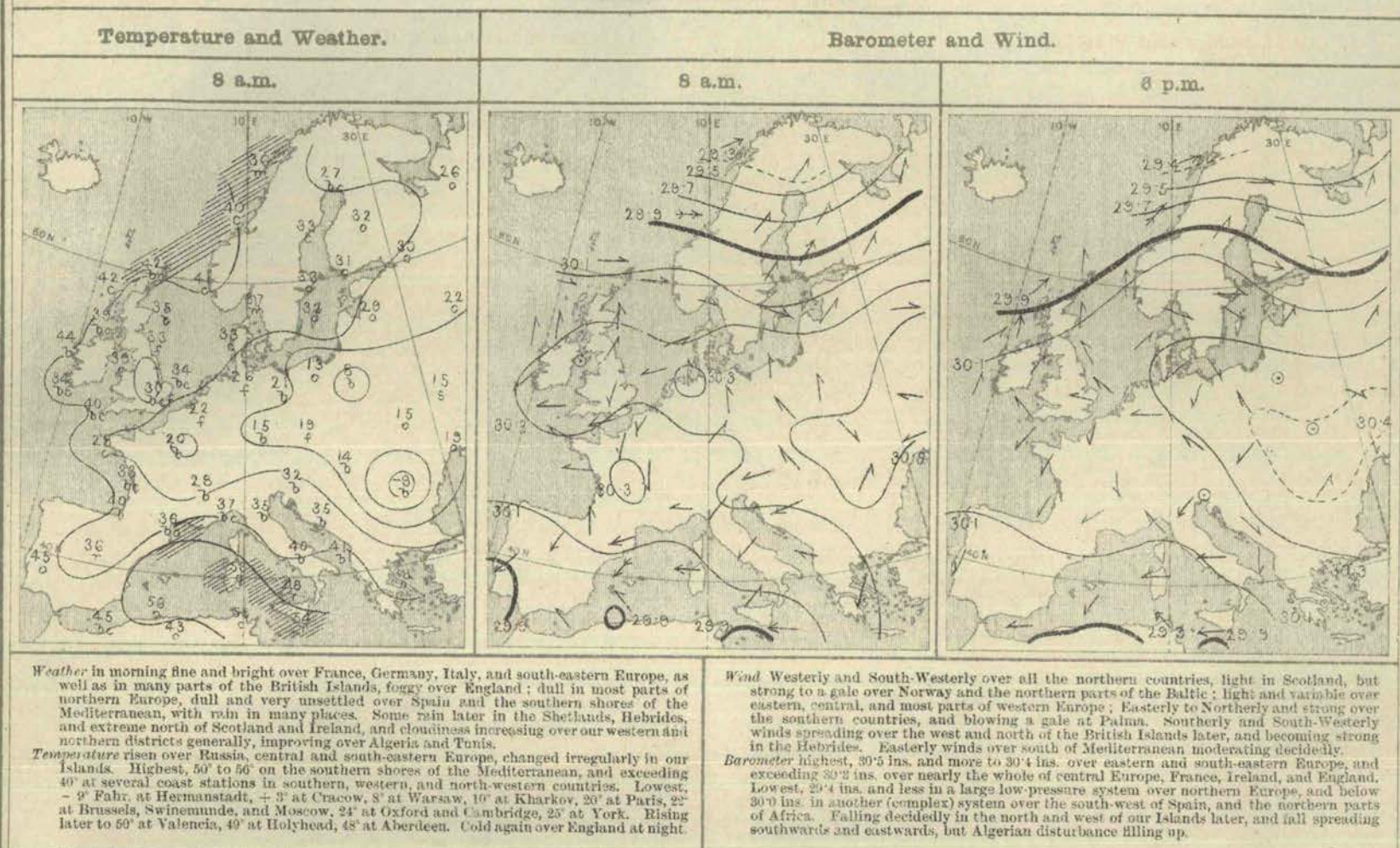
6 p.m.



Wind light and anticyclonic over central Europe, the Netherlands, England, and Ireland; Easterly, moderate to strong, over the Mediterranean and southern countries of Europe, South-Westerly, moderate to strong, over the northern parts of the Continent and Scotland. Becoming more westerly in Scotland later and moderating, and blowing a gale from South-South-West in Norway; increasing to a gale from North-East over the western parts of the Mediterranean, and from East at Malta.

Barometer highest, 30.72 ins. at Hermanstadt, exceeding 30.5 ins. all over central, eastern, and south-eastern Europe, and exceeding 30.3 ins. over England and the south-east of Ireland. Lowest, below 29.6 ins. over the White Sea, slightly less low over Lapland, and below 29.8 ins. over Tunis, Algeria, Morocco, and the south of Spain. Falling in far north later, little change in west and south of our Islands, but depression becoming complex and deeper over northern Africa and Malta.

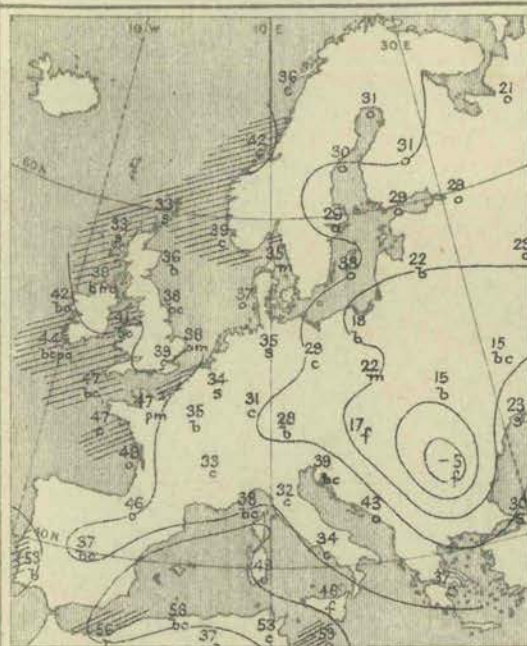
Thursday, 22nd February.



Saturday, 24th February.

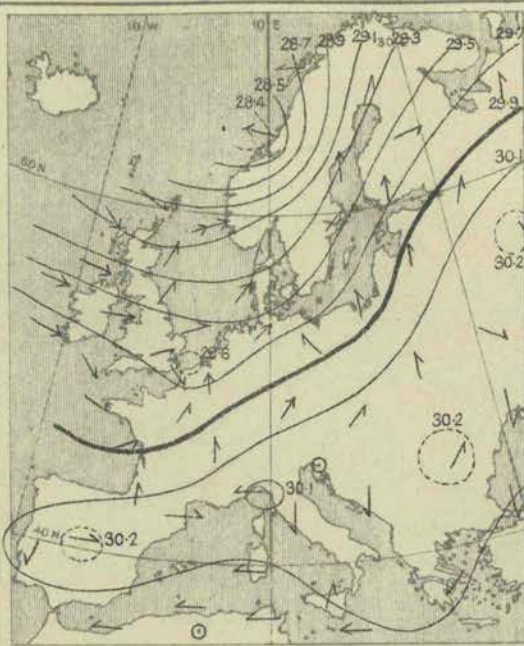
Temperature and Weather.

8 a.m.

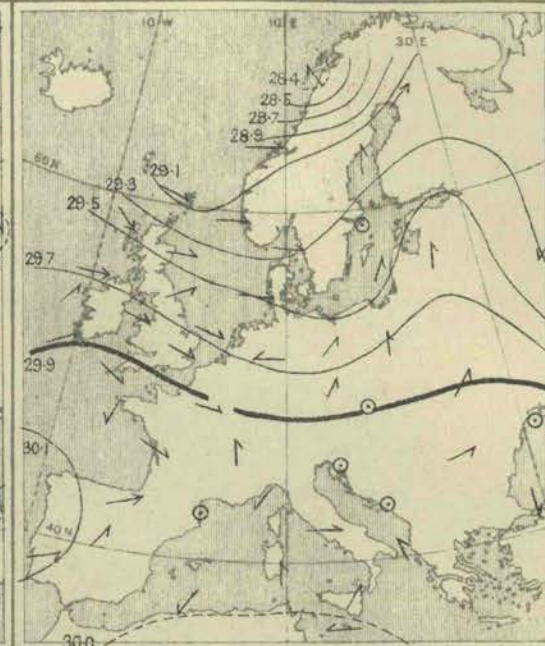


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of southern and central Europe, as well as over England and Ireland; cloudy and unsettled over the northern countries, with snow in the Hebrides and north of Ireland. Snow falling also over the south of Russia and on the western shores of the Black Sea. Snow, hail, or rain falling over the western and northern parts of our Islands later (snow heavily at Stornoway), and rain in many parts of France, Germany, and Scandinavia, but weather continuing fine over England.

Temperature very low for the time of year over the southern countries; exceeding 50° on the southern side of the Mediterranean, and at a few stations on the Spanish and Portuguese coasts, and exceeding 40° on the Atlantic coasts of France, England, and Ireland. Lowest, -5° Fahr. at Hermanstadt, +5° at Cracow, 15° at Buda-Pesth, Lemberg, Kiev, and Kharkov, 22° at Breslau, 28° at St. Petersburg. Slightly exceeding 50° in some parts of our Islands and France later, and touching 61° at Algiers, 63° at Palermo, and 70° at Malta. Frost over England at night.

Wind light to moderate and very variable, but mainly Easterly to Northerly over the whole of south-eastern and southern Europe; Southerly to Westerly over the more northern countries, and fresh to a gale in force. Moderating over the North Sea and British Islands, and becoming generally Westerly in direction, but North-Westerly (a moderate gale) at Stornoway.

Barometer highest, 30.2 ins. and more to 30.0 ins. over all the eastern, southern, and south-western parts of Europe. Lowest, 28.4 ins. and less in a deep depression over the Atlantic, near Christiansund. Shallow secondaries over several parts of the North Sea, the British Islands, and north of France. Rising quickly over the British Islands and North Sea later, but beginning to fall again in the west at night.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: $\text{---}b$ = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week a well-formed anticyclone lay over Scandinavia and the Baltic, and extended thence in a south-westerly direction as a "ridge," across the North Sea and the British Islands to the Atlantic. Cold, dry weather was consequently prevalent over the greater part of the British Islands and Continent, while rain fell in considerable quantities on the southern side of the Mediterranean, and for a time in the extreme north of Scotland also. The high-pressure system soon moved south-eastwards, reaching central Europe by Tuesday, and eastern Europe by the day after, but continued to extend westwards across the North Sea and British Islands, where it was subsequently joined by minor systems coming in from the Atlantic.

On Friday, however, a great change took place; the "ridge" gave way, pressure became, as a whole, highest over the southern, lowest over the northern countries, and depression of unusual depth reached the northern parts of the British Isles from the Atlantic, and later on arrived off the Norwegian coast. Temperature rose fast in the north-west, gales from South-West set in and blew with exceptional severity in the west and north of Scotland, while strong breezes were felt over the English Channel and North Sea.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 44.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	13.1	?	19	?	EASTDOURNE	54.8	?	76	?
OSWALDKIRK (Yorkshire)	24.4	?	35	?	MANCHESTER (Oldham Road)	11.8	?	17	?
WORKSOP	27.1	+11.3	38	+15	TENBY	40.8*	?	57*	?
THURCASTON (Leicestershire)	38.0	+13.5	54	+23	NEWQUAY	39.2	?	54	?
MARGATE	40.9	?	69	?	TORQUAY	32.6*	?	45*	?
WESTBOURNE (Sussex)	44.1*	?	61*	?	ARLEY COTTAGE (County Cavan)	14.1	?	20	?
BRIGHTON	50.8	?	70	?	GUERNSEY	33.7*	?	46*	?

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 9.]
Third Series.

WEEK ENDING SATURDAY, 3RD MARCH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. **RAINFALL.**—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. **BRIGHT SUNSHINE.**—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 50.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	48	25	42.8	34.4	39.1	1 above.	Day-deg. 5	Day-deg. 0	Day-deg. 28	Day-deg. - 6	Day-deg. 39	Day-deg. -17	Day-deg. 324	Day-deg. + 26
	1. SCOTLAND, EAST	53	28	45.9	34.0	40.0	2 above.	11	0	31	- 3	46	-32	377	+ 40
	2. ENGLAND, N.E.	55	38	49.0	36.7	42.9	3 above.	29	+18	15	-15	96	+18	309	+ 4
	3. ENGLAND, EAST.	56	26	50.5	35.2	42.9	3 above.	35	+21	19	-14	127	+45	354	+ 5
	4. MIDLAND COUNTIES.	57	25	50.6	36.3	43.4	3 above.	34	+18	16	-14	134	+34	331	- 9
	5. ENGLAND, SOUTH	57	28	50.0	38.2	44.2	3 above.	31	+14	11	-14	145	+30	255	- 8
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	53	30	46.7	36.4	41.6	1 above.	13	+ 3	23	- 2	78	- 8	238	- 8
	7. ENGLAND, N.W.	54	32	49.0	38.6	43.8	3 above.	27	+16	10	-16	124	+44	230	- 24
	8. ENGLAND, S.W.	58	27	49.8	38.6	44.2	2 above.	30	+12	10	-10	121	+48	189	- 3
	9. IRELAND, NORTH	54	30	48.3	36.1	42.3	1 above.	27	+11	17	- 6	132	+ 4	245	+ 25
	10. IRELAND, SOUTH	58	33	50.8	39.5	45.2	2 above.	33	+11	7	-10	224	+37	173	+ 5
	—CHANNEL ISLANDS	55	34	51.5	42.8	47.2	2 above.	36	+13	0	- 7	246	+47	93	+ 21

DISTRICTS. (See p. 50.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	23	13 more.	54	+ 9	16.9	+ 6.3	13	+11*	19	+ 17*	55	- 8	17	- 1
	1. SCOTLAND EAST	6	14	9 more.	47	+13	9.5	+ 3.9	29	+16	40	+ 22	122	+19	29	+ 3
	2. ENGLAND, N.E.	5	5	1 more.	39	+ 7	4.7	+ 0.8	23	+ 8	31	+ 9	131	+31	24	+ 5
	3. ENGLAND, EAST.	5	5	1 more.	37	+ 4	3.3	- 0.7	21	- 1	28	- 1	178	+53	32	+ 10
	4. MIDLAND COUNTIES.	5	5	1 more.	43	+11	4.7	0.0	24	+ 5	32	+ 7	150	+40	27	+ 8
	5. ENGLAND, SOUTH	5	7	3 more.	39	+ 8	5.3	+ 0.2	23	+ 3	30	+ 4	182	+50	29	+ 10
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	20	11 more.	52	+13	15.5	+ 4.6	23	+ 4	32	+ 7	100	+ 2	18	0
	7. ENGLAND, N.W.	6	11	6 more.	45	+10	7.7	+ 1.9	20	+ 2	27	+ 4	108	+17	22	+ 4
	8. ENGLAND, S.W.	6	11	4 more.	45	+ 9	8.2	+ 0.3	30	+ 6	39	+ 8	170	+29	28	+ 6
	9. IRELAND, NORTH	7	13	7 more.	51	+10	10.3	+ 3.8	27	+11	37	+15	120	+ 8	22	+ 2
	10. IRELAND, SOUTH	7	12	5 more.	49	+10	8.8	+ 0.9	28	+ 6	38	+ 9	141	+ 5	25	+ 1
	—CHANNEL ISLANDS	5	7	1 more.	46	+ 6	6.7	+ 0.2	29	- 7	39	- 9	194	+20	33	+ 4

* *Bright Sunshine.*—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was again very unsettled and changeable; much rain fell in all the more northern and north-western districts, and a considerable amount in most other localities. In most places, however, there were bright, fine intervals of considerable duration. A good deal of lightning and some thunder occurred in the north-west and north from time to time, and bright aurora was observed in most parts of Great Britain on the night of February 28th.

Temperature was above the mean in all districts, the excess varying between 1° and 3°. The highest of the maxima were observed during the earlier days of the period, and ranged from 58° in England S.W. and Ireland S., and 57° in England S. and the Midland Counties, to 53° in Scotland E. and W., and to 48° in Scotland N. The lowest of the minima were registered on February 25th in Scotland, on March 3rd in England, and on irregular dates in Ireland; they ranged from 25° in Scotland N and the Midland Counties, and 26° in England E., to 34° in the Channel Islands.

Rainfall slightly exceeded the mean over north-eastern, eastern, and central England,

and in the Channel Islands; in most other districts, however, there was a considerable excess, and in Scotland the excess was very large.

Bright Sunshine exceeded the mean in nearly all places, especially in the west and north. The percentage of the possible duration ranged from 40 in Scotland E., 39 in the Channel Islands and England S.W. and 39 in Ireland S., to 27 in England N.W., and to 19 in Scotland N.

Barometer and Wind.—During the whole of this period pressure was highest to the southward of our Islands, and a series of depressions travelled in a north-easterly direction over our north-western and northern coasts on their passage from the Atlantic to Scandinavia. The most important systems were those observed on February 25th and towards the end of the period, when South-Westerly to Westerly gales were experienced in the west and north, and fresh or strong winds to moderate gales in most other parts of the Kingdom. In addition to these disturbances a small secondary depression passed eastwards over southern England during February 28th, and caused very general rain over our southern and south-eastern counties.

II.—DATA from which the SUMMARY on page 49 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	45	33	43.3	37.6	40.5	+ 2.3	4	17	6	1.27	+0.54	*	*	*
	Stornoway	46	32	43.7	34.1	38.9	- 0.3	5	29	7	2.17	+1.27	29.9	+11.1	42
	Wick	47	31	43.7	34.4	39.1	+ 0.6	5	28	6	0.54	+0.02	*	*	*
	Lairg	45	25	42.1	32.3	37.2	0.0	0	34	7	0.90	+0.13	*	*	*
	Glencarron	47	31	43.3	32.6	38.0	+ 0.5	4	34	7	3.81	+2.39	*	*	*
	Fort Augustus	48	31	44.6	33.7	39.2	+ 0.5	7	31	7	3.56	+2.75	3.1	?	4
1. SCOTLAND, E.	Fort William	48	34	46.0	35.8	40.9	+ 1.2	11	25	7	3.85	+2.14	7.2	?	10
	Nairn	49	31	45.6	34.0	39.8	+ 1.0	10	31	6	1.19	+0.81	*	*	*
	Aberdeen	50	34	47.4	35.9	41.7	+ 2.7	15	25	4	0.50	- 0.10	37.1	+16.6	51
	Braemar	44	28	41.4	31.2	36.3	+ 0.5	0	40	7	2.27	+1.63	28.5†	†	39†
	Ochertyre	49	29	46.4	33.4	39.9	+ 1.9	12	33	7	2.11	+1.33	*	*	*
	Leith	53	32	48.7	35.3	42.0	+ 1.4	13	19	7	1.18	+0.85	*	*	*
2. ENGLAND, N.E.	Marchmont	48	30	46.0	34.0	40.0	+ 2.2	11	31	6	1.17	+0.59	23.5	?	32
	Alnwick Castle	50	35	46.7	37.1	41.9	+ 2.9	13	20	6	0.56	+0.02	*	*	*
	Durham	55	33	49.3	35.6	42.5	+ 3.5	30	18	4	0.23	- 0.19	*	+ 7.6	36
	Shields	55	33	50.3	36.6	43.5	+ 3.5	33	15	4	0.52	+0.12	*	*	*
	Scarborough	54	33	49.2	36.6	42.9	+ 2.7	29	15	4	0.45	+0.05	*	*	*
	York	55	34	50.7	37.7	44.2	+ 4.2	33	12	5	0.37	+0.17	25.0	+ 7.9	34
3. ENGLAND, E.	Spurn Head	52	34	47.7	36.7	42.2	+ 2.5	24	15	4	0.42	+0.11	*	*	*
	Hillington	55	29	49.9	34.8	42.4	+ 2.4	33	20	4	0.56	+0.14	17.2	- 2.8	23
	Yarmouth	54	31	49.4	35.7	42.6	+ 3.6	31	13	5	0.53	+0.08	*	*	*
	Geldeston	56	30	50.5	35.5	43.0	+ 3.0	34	18	5	0.59	+0.19	19.3	- 2.2	26
	Cambridge	56	29	51.9	35.0	43.5	+ 3.3	40	20	4	0.29	- 0.04	22.9	+ 2.9	31
	Rothamsted	55	26	50.8	35.2	43.0	+ 3.3	36	19	6	0.50	+0.05	24.2	?	32
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	56	32	51.1	35.4	43.3	+ 3.1	37	18	3	0.49	+0.09	*	*	*
	Loughborough	57	34	51.9	37.4	44.7	+ 4.0	38	13	5	0.44	+0.06	*	*	*
	Stamford (Ketton Hall)	55	30	51.4	35.4	43.4	+ 2.5	38	13	4	0.40	+0.08	*	*	*
	Cheadle	55	31	49.4	34.9	42.2	+ 3.2	31	20	5	0.64	- 0.01	*	*	*
	Churchstoke	56	33	50.5	37.4	44.0	+ 4.3	33	13	6	0.65	+0.11	28.9	+10.1	39
	Hereford	55	30	50.9	37.1	44.0	+ 2.8	35	14	5	0.37	- 0.06	*	*	*
5. ENGLAND, S.	Cirencester	52	25	48.7	35.1	41.9	+ 2.5	19	29	5	0.76	+0.21	24.8	+ 2.1	33
	Oxford	53	29	50.6	37.3	44.0	+ 3.2	34	13	5	0.42	0.00	23.3	+ 3.8	31
	London	55	28	51.4	37.0	44.2	+ 2.9	36	14	5	0.58	+0.20	19.8†	+ 6.0†	26†
	North Foreland	54	35	49.7	38.0	43.9	+ 3.1	30	11	4	0.41	?	*	*	*
	Strathfield Turgiss	54	28	50.8	36.1	43.5	+ 2.7	35	17	5	0.67	+0.13	*	*	*
	Dungeness	51	31	48.0	38.7	43.4	+ 2.5	24	9	6	0.74	+0.32	24.9	- 0.3	33
6. SCOTLAND, W.	Hastings (St. Leonards)	50	37	48.5	39.9	44.2	+ 2.8	24	6	6	1.27	+0.83	24.9	- 0.3	33
	Southampton	57	31	51.6	38.2	44.9	+ 2.8	36	11	5	0.79	+0.27	23.5	+ 1.6	31
	Hurst Castle	53	36	50.1	41.4	45.8	+ 4.0	29	2	5	0.79	+0.31	*	*	*
	Stowell	54	31	50.0	36.6	43.3	+ 3.1	32	15	6	0.66	?	*	*	*
	Laudale (Loch Sunart)	48	32	45.1	34.5	39.8	- 0.8	9	28	7	3.53	+1.88	*	*	*
	Glasgow	50	34	46.5	36.2	41.4	+ 1.5	13	24	7	2.13	+1.43	20.3	+ 5.1	28
7. ENGLAND, N.W.	Ardrossan	49	30	45.4	37.9	41.7	+ 0.9	10	17	7	1.08	+0.48	*	*	*
	Glenlee	52	32	48.1	34.5	41.3	+ 2.5	17	31	6	2.54	+1.59	*	*	*
	Douglas (Isle of Man)	53	37	48.4	38.9	43.7	+ 2.6	25	9	7	0.78	+0.08	26.1	+ 4.2	35
	Stonyhurst	51	34	46.9	37.1	42.0	+ 2.2	14	14	6	1.71	+0.88	13.7	- 4.7	19
	Blackpool	50	32	48.6	36.9	42.8	+ 2.4	27	14	6	0.89	+0.39	22.1	+ 3.8	30
	Manchester (Prestwich)	53	33	49.1	36.8	43.0	+ 3.2	29	15	6	1.53	+0.98	19.2†	†	26†
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	54	34	50.3	38.6	44.5	+ 3.6	32	10	6	0.77	+0.37	*	*	*
	Llandudno	54	38	50.4	40.9	45.7	+ 3.4	31	3	6	1.01	+0.53	27.1	+ 8.2	37
	Holyhead	50	40	48.6	41.0	44.8	+ 2.5	24	5	6	0.93	+0.35	*	*	*
	Llandovery	51	28	49.7	34.0	41.9	- 0.1	22	34	7	1.87	+0.96	*	*	*
	Pembroke	50	37	47.7	41.3	44.5	+ 2.0	20	2	7	0.95	+0.33	29.9	+ 6.4	40
	Bristol (Montpelier)	54	33	50.6	39.8	45.2	+ 3.8	32	6	5	1.25	?	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	50	32	48.4	36.6	42.5	+ 1.9	26	15	7	1.65	+0.66	*	*	*
	Cullompton	56	27	51.4	36.3	43.9	+ 2.4	37	16	6	0.57	- 0.11	26.0	+ 5.1	35
	Falmouth	53	36	50.1	40.4	45.3	+ 1.1	30	4	7	1.05	+0.20	32.2	+ 7.4	43
	Plymouth	58	33	51.3	39.4	45.4	+ 2.0	35	7	6	0.92	+0.28	27.3	+ 3.2	36
	Prawle Point	51	38	48.9	41.0	45.0	+ 2.2	25	3	6	0.67	+0.22	*	*	*
	Malin Head	50	35	45.6	37.6	41.6	- 1.1	10	18	7	1.29	?	*	*	*
10. IRELAND, S.	Londonderry	52	30	48.4	34.8	41.6	- 0.2	18	30	7	1.93	+1.32	*	*	*
	Edenfel (Omagh)	52	32	46.7	34.0	40.4	0.0	13	32	7	1.34	+0.80	*	*	*
	Behnullet	51	33	47.4	37.9	42.7	- 0.6	22	11	7	1.76	?	*	*	*
	Markree Castle	54	33	50.0	35.7	42.9	+ 1.7	33	18	7	1.71	+1.09	29.8	+11.3	40
	Brookeborough	52	34	48.9	36.0	42.5	+ 2.2	29	17	7	1.15	+0.48	*	*	*
	Armagh	54	34	49.4	36.1	42.8	+ 2.0	30	17	7	0.79	+0.27	28.7	+10.8	39
CHANNEL ISLANDS	Donaghadee	54	34	49.3	37.7	43.5	+ 1.9	29	12	7	0.70	+0.17	*	*	*
	Edgeworthstown	53	33	49.1	35.5	42.3	+ 1.8	29	18	5	1.04	+0.37	*	*	*
	Dublin	58	38	52.1	39.6	45.9	+ 2.9	37	7	6	0.59	+0.09	32.2	+11.5	44
	Parsonstown	55	34	50.9	37.0	44.0	+ 2.2	35	14	7	1.07	+0.57	23.9	+ 3.0	32
	Kilkenny	57	33	50.9	36.9	43.9	+ 1.1	35	14	7	0.46	- 0.09	*	*	*
	Waterford	53	35	50.6	39.3	45.0	+ 1.0	32	8	6	1.31	+0.54	*	*	*
CHANNEL ISLANDS	Roche's Point	55	38	50.3	41.0	45.7	+ 1.5	30	3	6	0.93	- 0.05	*	*	*
	Valencia	56	41	50.7	43.3	47.0	+ 1.8	35	0	7	1.29	+0.21	27.6	+ 4.4	37
	Killarney	58	35	51.8	39.3	45.6	+ 0.8	37	8	7	2.42	?	*	*	*
	Foynes	55	37	49.3	39.7	44.5	+ 1.2	27	6	6	1.81	?	*	*	*
	Scilly (St. Mary's)	55	41	51.7	43.9	47.8	+ 1.9	41	0	5	0.62	+0.04	37.2	?	50
	Jersey	53	34	51.3	41.6	46.5	+ 2.7	33	1	5	0.74	+0.13	20.2	- 7.2	27

Stations marked *M* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

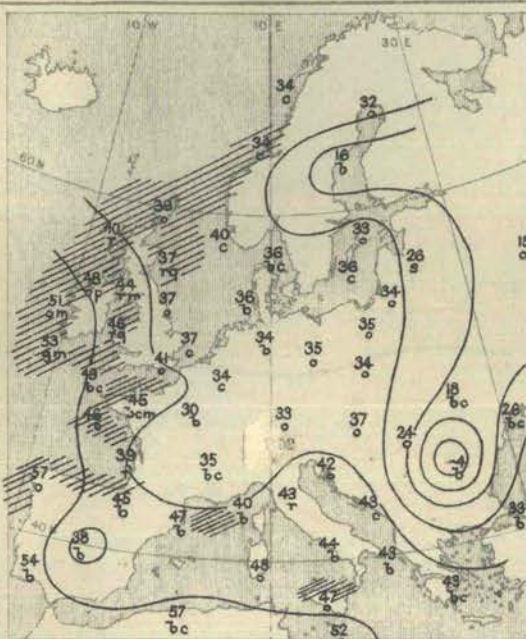
* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar and Manchester are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Records are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 25th February.

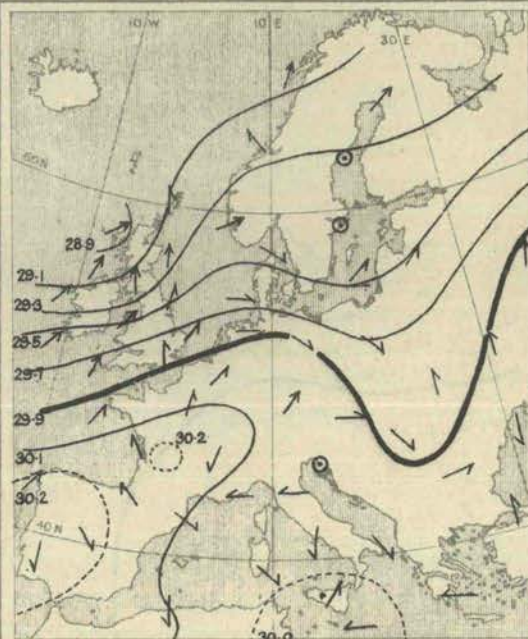
Temperature and Weather.

8 a.m.

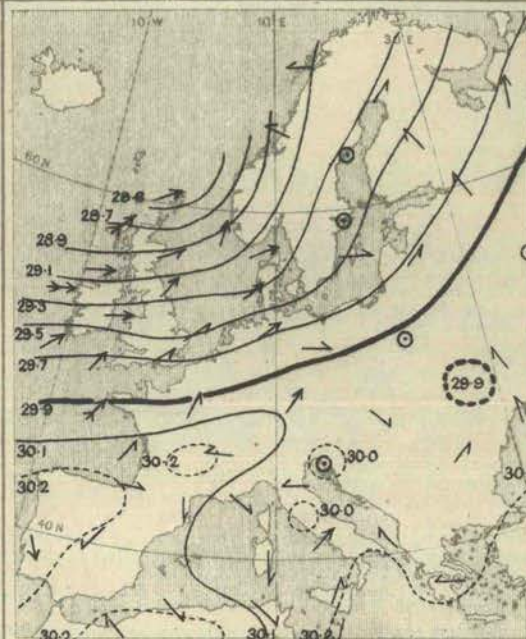


Barometer and Wind.

8 a.m.



6 p.m.



Weather dull and rainy over the greater part of the United Kingdom. Fine at many of the Continental stations, but rainy over northern Italy, and dull over the Baltic and central Russia, with snow at Riga. Rain falling during day in nearly all parts of western and central Europe, heavily in the extreme north-west of our Islands and also in Germany. Thunder and lightning occurring at night in Ireland and the west of Scotland.

Temperature risen in our Islands, as well as in Germany and Italy, but fallen elsewhere. Morning readings highest, (1) 57° at Corunna and Algiers, 54° at Lisbon, and 52° at Malta, but several of the Mediterranean stations wanting; (2) 53° at Valencia (Ireland), and 51° at Belmullet, Parsonstown, and Roche's Point. Lowest, - 4° Fahr. at Hermanstadt, + 12° at Nicolaieff, 15° at Moscow, and 18° at Lemberg, below the freezing point in most parts of Sweden, Russia, and Austria, as well as in central France. Rising during day to between 50° and 55° in most parts of the United Kingdom and France, exceeding 60° in many parts of southern Europe, the highest reading of all being 68° at Oporto.

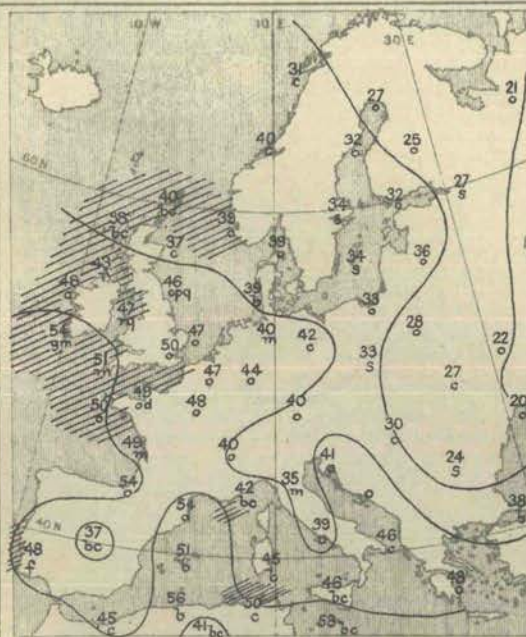
Wind strong from the South-Westward or Southward in the west and north of our Islands, and light or moderate from the same quarters on our eastern and south-eastern coasts. Moderate from the Westward in Denmark, Germany, and the south of Scandinavia; South-Westerly in the north of Scandinavia, with a gale at Haparanda. Light from the Northward in Spain, Italy, and the south of France. Subsequently increasing to a gale from the South-Westward or Westward in Ireland and Scotland; no important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards in an anticyclone lying over Spain, Algeria, and the greater part of France. Lowest, 28.9 ins. and less in a depression off the north-west of Scotland, gradients rather steep over the whole of our Islands. Depression subsequently moving north-eastwards; barometer falling briskly in Norway, but rising slightly on our own extreme western coasts.

Monday, 26th February.

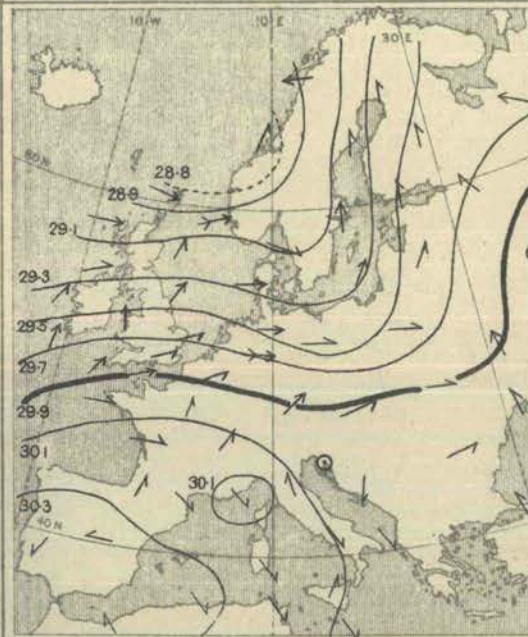
Temperature and Weather.

8 a.m.

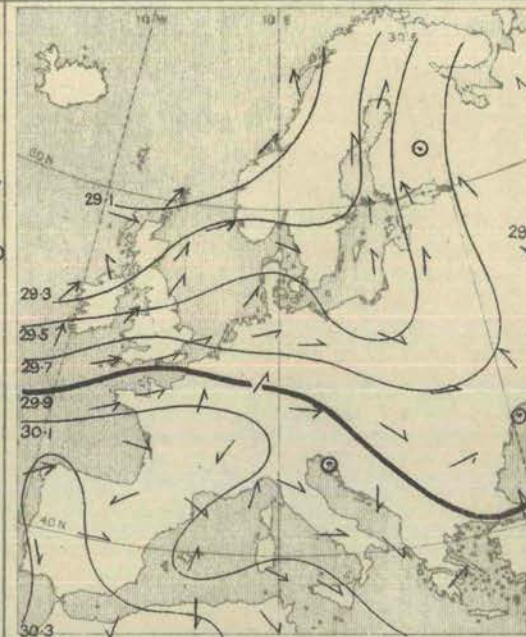


Barometer and Wind.

8 a.m.



6 p.m.



Weather cloudy or overcast in all but the extreme southern countries, with rain in many parts of our Islands and Germany, and with snow at Stornoway, as well as at several of the Russian and Austrian stations. Fine in the southern parts of Spain and Italy, and also in Algeria. Rain falling during day over western and central Europe generally, but amounts mostly slight.

Temperature fallen a little in Ireland and Scotland, as well as in many parts of southern Europe, but risen elsewhere. Morning readings highest, (1) 56° at Algiers, and 55° at Barcelona and Sfax; (2) 54° at Valencia (Ireland), and 51° at Roche's Point and Scilly (above 45° at most of the English and Irish stations). Lowest, 12° at Moscow, 18° at Khar'kov, 20° at Odessa, 21° at Archangel, and 22° at Kiev and Nicolaieff; below the freezing point in most parts of Sweden, Russia, and Austria. Rising during day to between 50° and 55° in all but the extreme northern and north-western parts of our Islands, and reaching 57° at Loughborough. Exceeding 60° in many parts of southern Europe, the highest readings of all being 69° at Gap, and 68° at Perpignan and San Fernando.

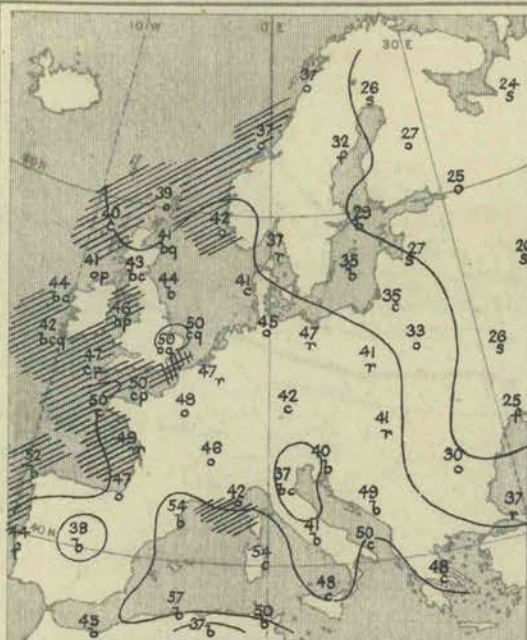
Wind South-Westerly or Westerly over nearly the whole of western and central Europe, and strong in force in many places, with a gale at Skudesnaes, Pembroke, and Munster. Moderate to strong from the Southward over Ireland, Sweden, and the Baltic; fresh from East at Bodö. Light from the Northward or North-Westward over Italy and the south of France; Easterly or North-Easterly in Spain, variable in Algeria. Subsequently increasing to a gale from South-West or West in the south of Ireland, no important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards over Spain and Algeria, 30.0 ins. and upwards over the whole of southern Europe. Lowest, 28.8 ins. and less in a large depression lying off the west of Norway; gradients moderate to rather steep over northern and north-western Europe generally. Depression subsequently travelling north-eastwards, but new disturbance beginning to approach our north-west coasts in evening.

Tuesday, 27th February.

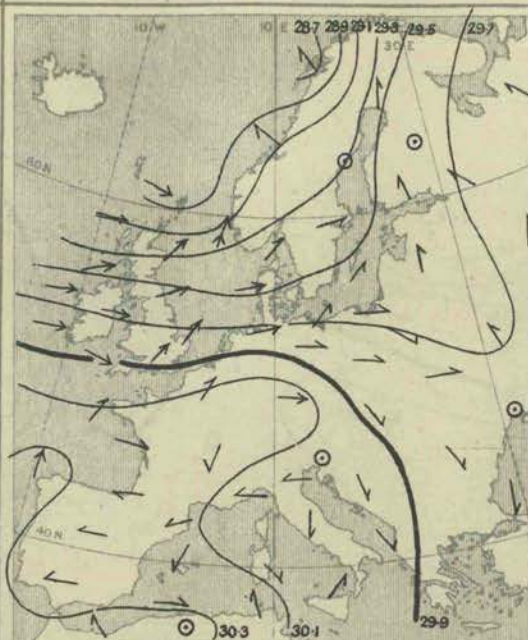
Temperature and Weather.

8 a.m.

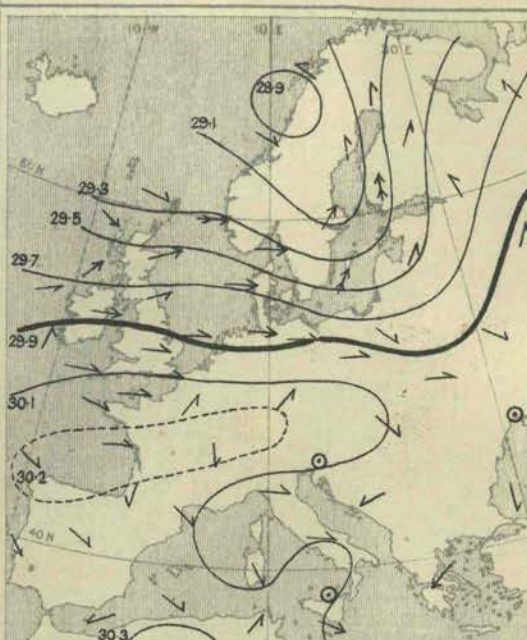


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine at several of our western and northern stations, but with showers in places, dull and unsettled in the central, southern, and eastern parts of England. Dull over all but the extreme southern parts of the Continent, with rain in many parts of Denmark, the Netherlands, Germany, and Austria, and snow over central and northern Russia. Fine and bright in Italy, Algeria, and the central and southern parts of Spain. Rain, hail, or sleet occurring during day in all parts of the United Kingdom, with thunder and lightning in Ireland.

Temperature risen in most countries, but fallen in Ireland. Morning readings highest, 50° at Barcelona, 57° at Algiers, and 54° at Cagliari; above 50° at most of the Mediterranean stations, and just reaching that point in the south-east of England. Lowest, 18° at Khar'kov, 20° at Moscow, 24° at Archangel, and 25° at Odessa; below the freezing point over Sweden and Russia generally, and below 40° in the north of Scotland. Rising during day to between 50° and 55° at most of the English stations, exceeding 55° in many parts of southern Europe, and reaching 72° at Perpignan.

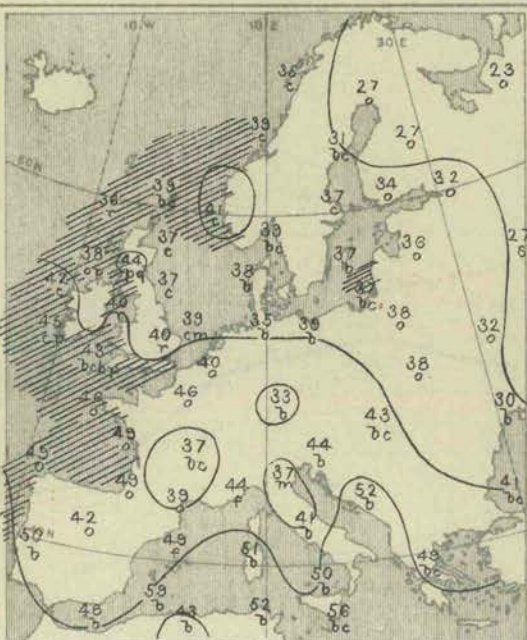
Wind fresh to strong from the Westward or South-Westward over the greater part of western and central Europe, with moderate gales in places, and a fresh gale at Skudesnaes. Light from the South-Eastward in the west of Norway, as well as at most of the Russian stations. Variable in Italy and the south of France, light from the Eastward or North-Eastward in Spain. Wind moderating later in the south of our Islands, but strong Westerly gales setting in over the south of Norway.

Barometer highest, 30.3 ins. and upwards in Algeria and also in the north-west of Spain; 30.2 ins. and upwards over the whole of the Spanish Peninsula, with the greater part of France and the western parts of the Mediterranean. Lowest, 28.7 ins. in a depression off the north-west of Norway; 28.8 ins. and less in another system lying near the Shetlands. Both depressions subsequently moving north-eastwards, barometer rising briskly in our Islands, but beginning to fall again in extreme west in evening.

Wednesday, 28th February.

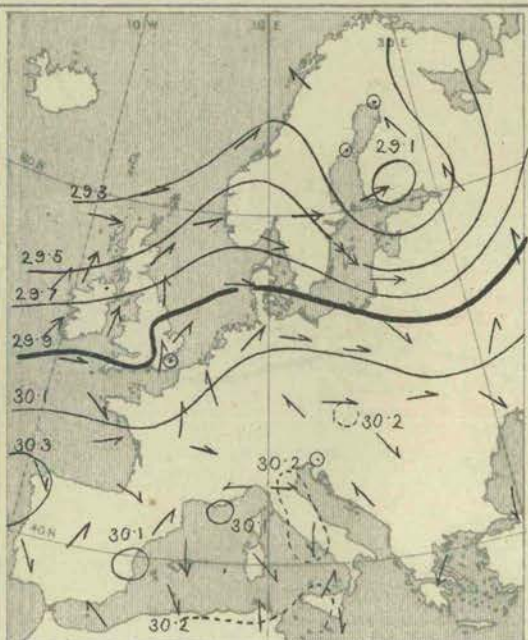
Temperature and Weather.

8 a.m.

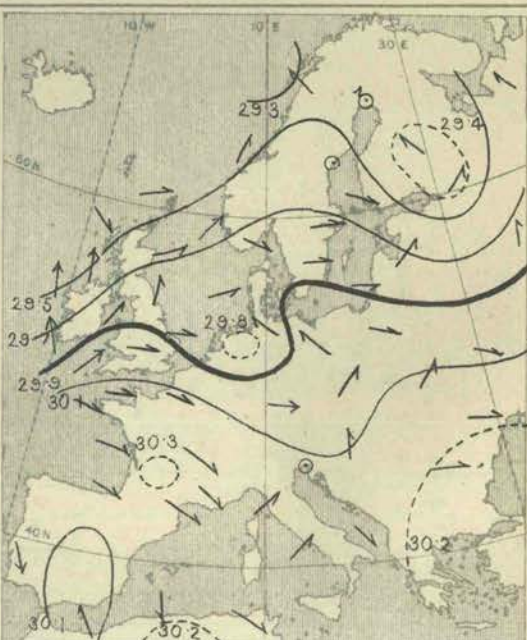


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull and rainy in many parts of England and Wales, and showery in Ireland and Scotland. Fine over the greater part of the Continent, but dull in Russia, with snow at Moscow. Improvement taking place later over England, but rain setting in at night in the west and south of Ireland, and spreading quickly eastwards. Rain falling also in Germany and snow in Holland. Brilliant aurora seen in evening in many parts of Great Britain, even as far south as London.

Temperature fallen in the western and central countries, but risen elsewhere. Morning readings highest, 50° at Algiers, 55° at Malta, and 64° at Oporto and Sanguinaires; slightly above 50° at most of the Mediterranean stations. Lowest, 23° at Archangel and Khar'kov, and 27° at Haparanda, Uleaborg, Kuopio, and Nicolai, below the freezing point in most parts of Russia, and below 40° over northern Europe generally, as well as over the greater part of the United Kingdom. Daily maxima below 45° at many of our own northern and eastern stations, but thermometer reaching 50° on our extreme south-west coasts. Exceeding 55° in the west of France, and exceeding 60° in many parts of southern Europe.

Wind South-Westerly or Westerly over the greater part of western and central Europe, but Southerly or South-Easterly at many of the English stations. Southerly or South-Easterly also in Russia; Northerly in Italy and also in Portugal, Southerly over the central and southern parts of Spain; variable in Algeria and the south of France. Subsequently backing to the Southward in the west and north of our Islands generally, and increasing to a fresh or strong gale at night.

Barometer highest, 30.3 ins. and upwards in the north-west of Spain; 30.1 ins. and upwards over nearly the whole of southern, central, and eastern Europe. Lowest, 29.1 ins. and less in a well-marked depression over Finland, 29.2 ins. and less in a shallow system over the north of Scandinavia. Small local depression moving eastwards across the south of England during day. Deeper depression appearing later off the Irish coasts, and moving quickly northwards; barometer falling quickly in west and north. Disturbance over Finland moving eastwards and partially filling up.

Thursday, 1st March.

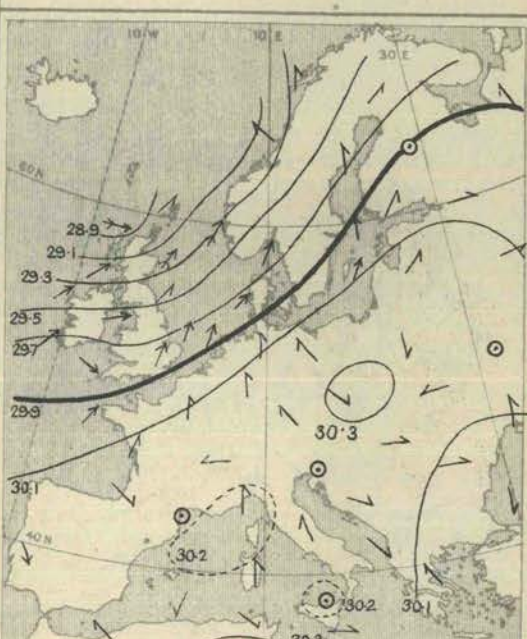
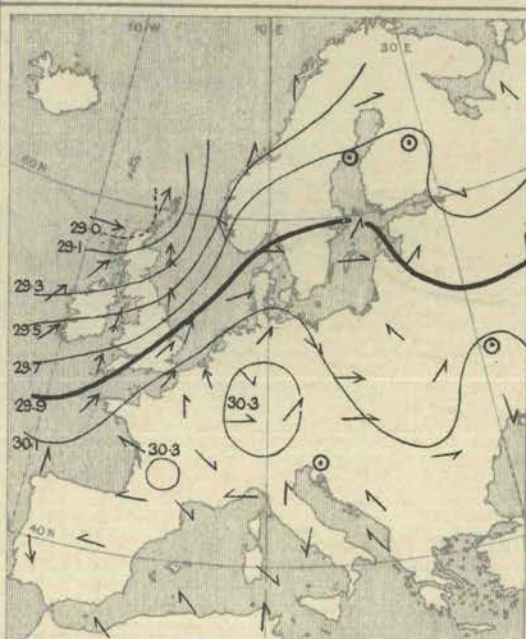
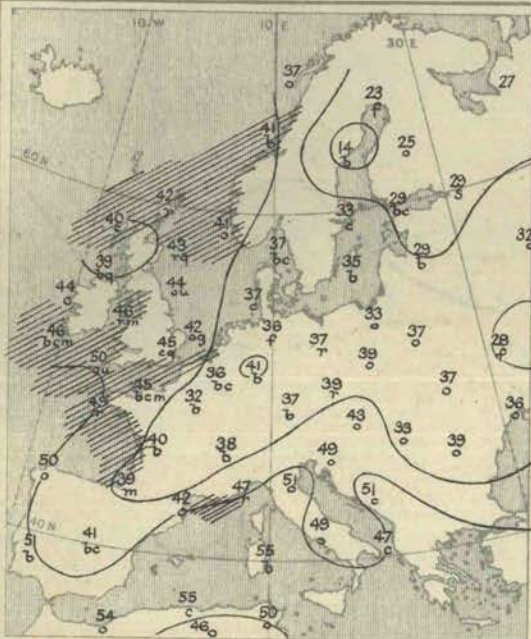
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather cloudy and squally over the United Kingdom with rain at most of the western and northern stations. Fine in Sweden, France, the Netherlands, and the southern parts of Spain and Italy; dull in other parts of the Continent, with fog in the south of Russia, rain at several of the German stations, and snow at Archangel and St. Petersburg. Rain extending later to nearly all parts of western Europe, but falls mostly slight. Aurora seen at Aberdeen in evening.

Temperature risen in our Islands, Norway, Italy, and the south of Russia; fallen in most other countries. Morning readings highest, (1) 56° at Oran, 55° at Barcelona, Cagliari, and Algiers; (2) 50° at Scilly, and 48° at Hurst Castle (above 45° in many parts of the United Kingdom). Lowest, 14° at Hernösand, 23° at Haparanda, 25° at Kuopio, and 27° at Archangel; below the freezing point at most of the Swedish and Russian stations, and very little above it in some parts of Austria and central France. Rising during day to 50° or slightly above it in many parts of England; exceeding 60° over southern Europe generally, and reaching 72° at Palermo.

Wind strong from the Southward or South-Westward over the greater part of our Islands and the North Sea, with gales at many of our western and northern stations. Light to moderate from the Westward over Finland, Sweden, Denmark, Germany, and the Baltic. Variable over southern and south-eastern Europe generally; South-Easterly or Southerly in Algeria. Subsequently increasing to a moderate gale from the South-Westward in the south and east of England, and to a strong gale from the Southward in the south of Norway.

Barometer highest, 30.3 ins. and upwards in two separate areas lying over France and western Germany; 30.1 ins. and upwards over nearly the whole of central, southern, and south-eastern Europe. Lowest, 29.0 ins. and less in a deep depression lying off the north of Scotland; gradients steep over England and the North Sea. Depression remaining almost stationary during day and becoming somewhat deeper; barometer rising on our western coasts, but falling briskly in Norway.

Friday, 2nd March.

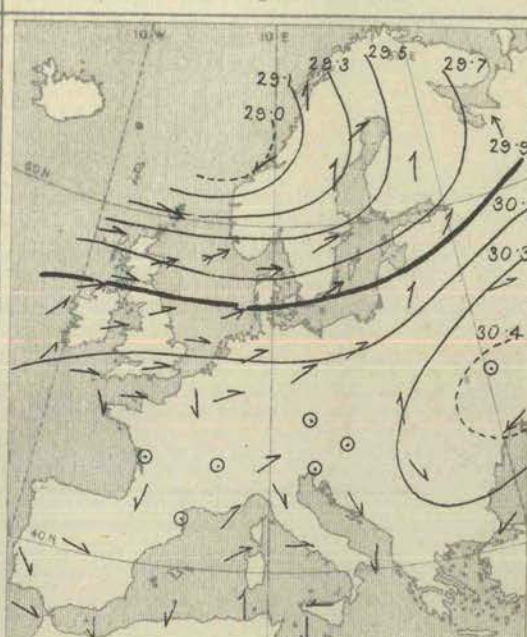
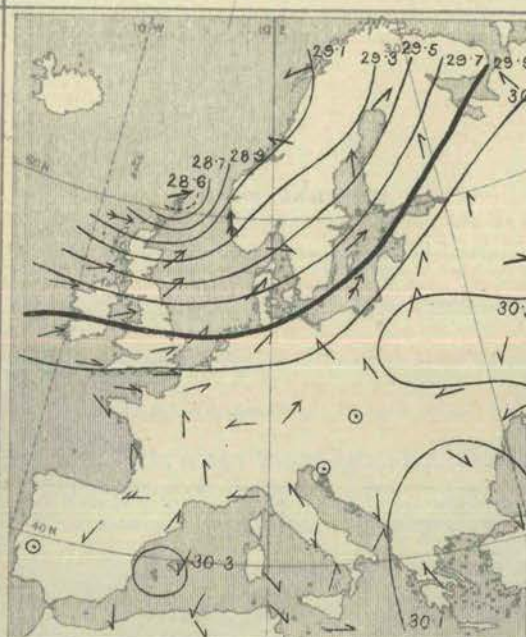
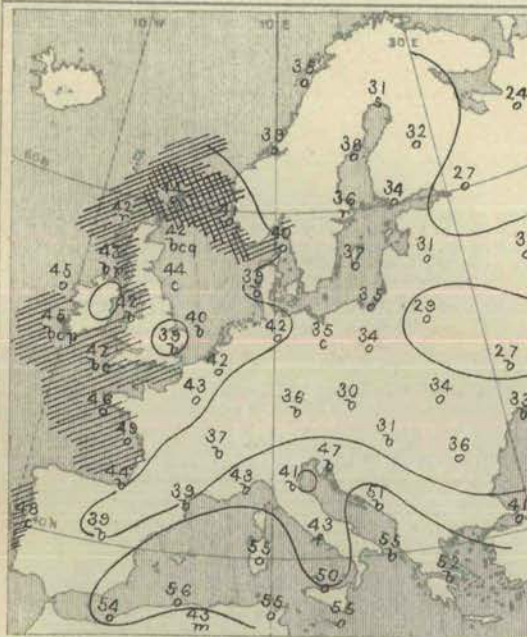
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine over the greater part of the United Kingdom, but squally and showery on our extreme west coasts, and rainy in the north of Scotland. Dull over a considerable portion of northern, eastern, and central Europe, with rain or snow in Sweden; fine in the southern countries and also in Austria and south Germany. A little rain falling at night in the western and northern parts of the United Kingdom generally, but weather remaining very fine in other districts. Snow falling in some parts of northern Russia.

Temperature fallen in England and Ireland, and also over the greater part of central and southern Europe, changed irregularly elsewhere. Morning readings highest, 56° at Barcelona, Oran, and Algiers, and 55° at Brindisi, Cagliari, La Calle, and Malta; above 50° over the Mediterranean generally. Lowest, 24° at Archangel, 26° at Kharkov, and 27° at St. Petersburg and Kiev; below the freezing point in most parts of Russia and Austria. Rising during day to 50° or a little above it at most of the English and Irish stations; exceeding 60° over southern Europe generally, the highest reading of all being 70° at Gap. Frost occurring over the inland parts of England at night.

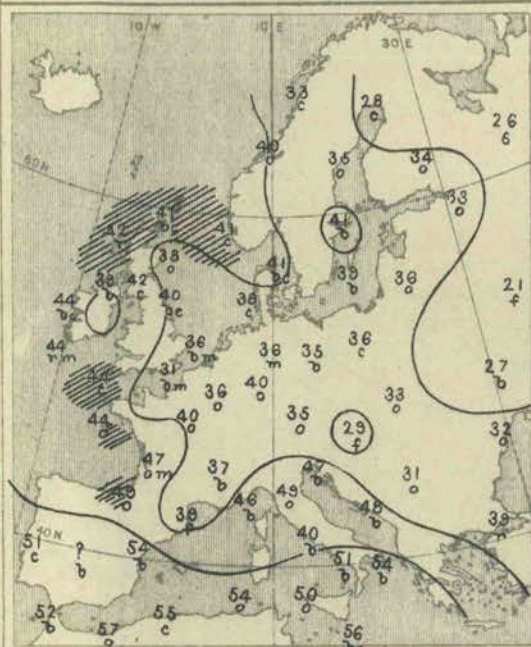
Wind strong from the Westward or South-Westward in the north of our Islands, with a gale at Stornoway, moderate from the same quarters on our south coasts, as well as over Denmark and Germany. Strong to a gale from the Southward in the south of Norway, but moderate from the Eastward in the west of that country. Light from the North-Eastward in the south of Russia, variable in Italy and the south of France, Easterly or North-Easterly in Spain. Moderating later in the north of our Islands, but backing to the Southward in the west of Ireland.

Barometer highest, 30.3 ins. and upwards over Poland and the south of Russia, 30.1 ins. and upwards over the entire southern and eastern half of Europe. Lowest, 28.6 ins. and less in a deep depression having its centre near the Shetlands; gradients steep over the northern parts of our Islands and the North Sea. Depression subsequently travelling north-eastwards and partially filling up, barometer rising rapidly in the north of Scotland, but beginning to fall again in the west of Ireland at night.

Saturday, 3rd March.

Temperature and Weather.

8 a.m.

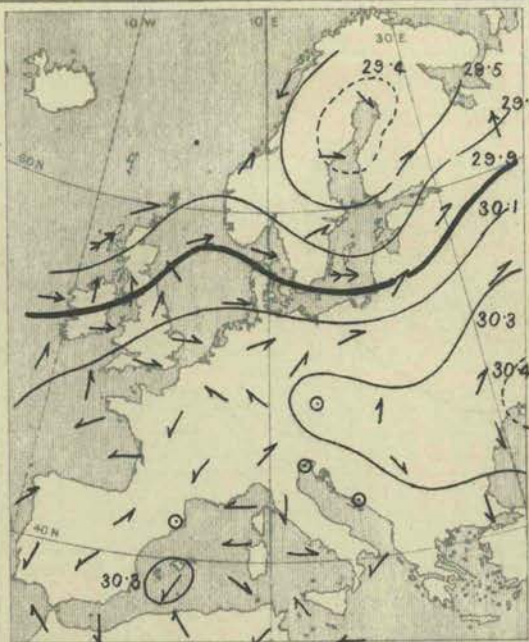


Weather fine over the greater part of western and southern Europe, but rainy in the south of Ireland and also in the Hebrides. Dull in most of the northern, eastern, and central countries, with fog at some of the Russian and Austrian stations, rain at Prague and Cracow, and snow at Archangel. Rain falling later over nearly the whole of Ireland, England, and the north of France, and snow at Stornoway. Lightning seen in the north of Ireland at night.

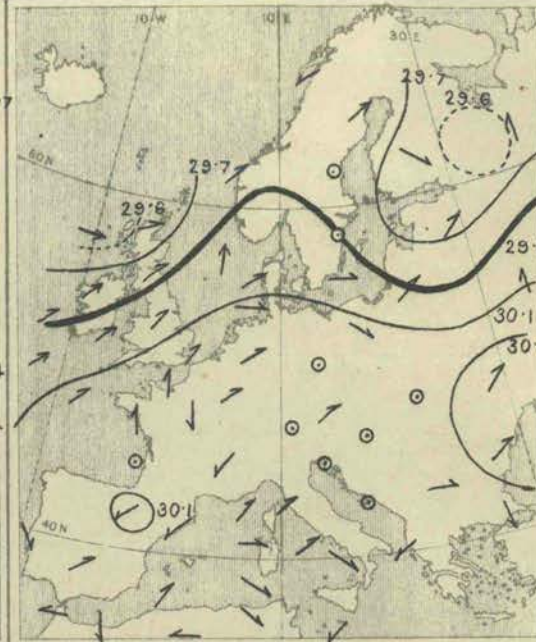
Temperature fallen in most countries. Morning readings highest, 57° at Oran, 56° at Malta, and 55° at Algiers and La Calle; above 50° at most of the Mediterranean stations, and also on the coasts of the Spanish Peninsula. Lowest, 21° at Moscow and Kharkov, 36° at Archangel, 27° at Kiev, and 28° at Haparanda; below the freezing point in most parts of Russia and Austria, and also at some of the inland stations in England. Rising during day to 50° or a little above it at several of our own central and southern stations; exceeding 60° in many parts of southern Europe, the highest reading of all being 73° at Bilbao. Frost occurring at night in the south-east of England and also in the north of Scotland.

Barometer and Wind.

8 a.m.



6 p.m.



Wind Southerly or South-Westerly in our Islands; light or moderate in force generally, but strong to a gale in the Hebrides. Moderate to strong from the Westward over Scandinavia, Denmark, and north Germany, South-Westerly or Southerly over the greater part of Russia. Light from the Eastward in France; variable in Spain, Italy, and Algeria. Subsequently veering to the Westward in the north of Scotland; no important change occurring elsewhere.

Barometer highest, 30.2 ins. to 30.4 ins. in a large anticyclone covering nearly the whole of central, southern, and eastern Europe. Lowest, 29.4 ins. and less in a depression lying over the Gulf of Bothnia and the north of Sweden; 29.6 ins. and less in another disturbance off the north-west of Scotland. Former depression subsequently moving eastwards to the north of Russia; latter system also advancing eastwards and occasioning a slight fall of the barometer in all parts of the United Kingdom.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the whole of this week barometrical pressure was high over the southern and south-eastern parts of Europe, the winds in these localities being light and variable and the weather fine and mild. In the north-western and northern countries, however, the conditions were again affected by a series of large cyclonic systems, the centres of which skirted the north of Scotland and travelled on to Scandinavia and northern Russia. South-Westerly to Westerly winds of considerable strength were, therefore, prevalent, with heavy falls of rain in the west and north of our Islands, and with occasional thunder and lightning on our north-west coasts. On three occasions, viz., the 25th February, the 28th-1st March and the 2nd March, when depressions of great intensity were observed in the far north, the wind blew with the force of a gale in all the more western and northern parts of the United Kingdom.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 50.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	27.8	?	38	?	EASTBOURNE	27.0	?	36	?
OSWALDKIRK (Yorkshire)	18.0	?	24	?	MANCHESTER (Oldham Road)	16.6	?	22	?
WORKSOP	22.3	+ 4.6	30	+ 5	TENBY	33.9*	?	45*	?
THURCASTON (Leicestershire)	21.2	+ 5.1	29	+ 7	NEWQUAY	31.2	?	42	?
MARGATE	16.0	?	21	?	TORQUAY	25.7*	?	34*	?
WESTBOURNE (Sussex)	22.3*	?	30*	?	ARLEY COTTAGE (County Cavan)	23.2	?	31	?
BRIGHTON	25.2	?	34	?	GUERNSEY	29.0*	?	39*	?

* The values at Westbourne, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 10.]
Third Series.

WEEK ENDING SATURDAY, 10TH MARCH, 1894.

[Price 6d.
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post paid, £1 10s. 0d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 56.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	49	29	44.5	33.8	39.0	0 average.	Day-deg. 7	Day-deg. + 1	Day-deg. 29	Day-deg. - 5	Day-deg. 46	Day-deg. - 16	Day-deg. 353	Day-deg. + 21
	1. SCOTLAND, EAST	52	28	46.2	33.1	39.5	1 above.	12	0	33	- 1	58	- 32	410	+ 39
	2. ENGLAND, N.E.	54	31	48.2	35.9	41.9	2 above.	17	+ 4	25	- 6	114*	+ 23	334	- 2
	3. ENGLAND, EAST.	55	28	50.0	35.6	42.6	3 above.	31	+ 15	18	- 15	158	+ 60	372	- 10
	4. MIDLAND COUNTIES.	54	28	49.2	35.2	42.0	2 above.	20	+ 2	19	- 13	154	+ 36	350	- 12
	5. ENGLAND, SOUTH	55	30	49.7	37.3	43.3	2 above.	29	+ 10	13	- 13	174	+ 40	268	- 21
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	27	45.7	36.6	41.0	1 above.	10	- 1	20	- 6	88	- 9	258	- 14
	7. ENGLAND, N.W.	51	31	47.3	38.4	42.7	2 above.	20	+ 8	10	- 16	144	+ 52	240	- 40
	8. ENGLAND, S.W.	53	28	49.1	38.3	43.5	1 above.	26	+ 7	10	- 11	217	+ 55	199	- 14
	9. IRELAND, NORTH	52	30	48.3	36.2	42.1	1 above.	25	+ 8	16	- 7	157	+ 12	261	+ 18
	10. IRELAND, SOUTH	55	31	50.8	39.2	44.8	1 above.	31	+ 8	8	- 10	255	+ 45	181	- 5
	—CHANNEL ISLANDS	55	38	51.4	42.6	46.9	2 above.	34	+ 11	0	- 8	280	+ 58	93	+ 13

DISTRICTS. (See p. 56.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	32	22 more.	61	+ 10	20.1	+ 8.6	14	- 1	19	- 1	69	- 9	18	- 1
	1. SCOTLAND, EAST	6	12	7 more.	53	+ 15	10.7	+ 4.6	22	+ 7	28	+ 9	144	+ 25	30	+ 4
	2. ENGLAND, N.E.	6	2	2 less.	45	+ 9	4.9	+ 0.6	27	+ 7	35	+ 9	158	+ 38	26	+ 6
	3. ENGLAND, EAST.	5	4	0 average.	42	+ 6	3.7	- 0.7	30	+ 7	39	+ 9	208	+ 60	33	+ 10
	4. MIDLAND COUNTIES.	6	4	0 average.	49	+ 14	5.1	0.0	24	+ 3	31	+ 4	174	+ 44	28	+ 8
	5. ENGLAND, SOUTH	5	5	0 average.	44	+ 10	5.8	+ 0.3	26	+ 1	34	+ 5	208	+ 51	30	+ 10
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	24	15 more.	58	+ 15	17.9	+ 6.2	24	+ 4	32	+ 6	124	+ 2	20	+ 2
	7. ENGLAND, N.W.	6	12	7 more.	51	+ 12	8.9	+ 2.5	14	- 5	18	- 6	122	+ 12	22	+ 3
	8. ENGLAND, S.W.	6	11	4 more.	51	+ 11	9.3	+ 0.7	22	- 6	28	- 7	192	+ 24	28	+ 5
	9. IRELAND, NORTH	7	14	8 more.	58	+ 13	11.7	+ 4.6	21	+ 1	28	+ 2	141	+ 9	23	+ 2
	10. IRELAND, SOUTH	7	12	6 more.	56	+ 14	10.0	+ 1.5	24	0	31	0	165	+ 5	26	+ 2
	—CHANNEL ISLANDS	5	4	2 less.	51	+ 6	7.0*	- 0.1	27	- 1	35	- 1	221	+ 19	33	+ 3

* Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued very unsettled generally. Much rain again fell in the north and north-west, but, in the south and east, the falls, although very frequent, were comparatively slight. Fine, dry intervals were experienced from time to time, but chiefly during the earlier days of the period.

Temperature just equalled the mean in Scotland N., but in all other districts it was slightly above the normal. The highest of the maxima were recorded, as a rule, on the 10th, and ranged from 55° in England E. and S., Ireland S., and the Channel Islands, to 50° in Scotland W., and 49° in Scotland N. The lowest of the minima were registered during the early or middle part of the week, when they ranged from 27° in Scotland W. to 31° in England N.E. and N.W. and Ireland S., and to 38° in the Channel Islands.

Rainfall was again greatly in excess of the mean in Scotland, and considerably in excess

in all the western districts; in the more eastern and southern districts, however, the fall either just equalled or was rather less than the normal amount.

Bright Sunshine exceeded the mean in the "Wheat producing" districts, as well as in Scotland W. and Ireland N., but showed a deficit in most other parts of the Kingdom. The percentage of the possible duration ranged from 39 in England E., 35 in England N.E. and the Channel Islands, and 34 in England S., to 19 in Scotland N., and 18 in England N.W.

Barometer and Wind.—The barometer was again highest to the southward of the United Kingdom, and depressions, mostly travelling north-eastwards, continued to pass over our north-western and northern coasts. Southerly to Westerly or North-Westerly winds were, therefore, prevalent over our Islands, and occasionally blew with the force of a fresh or strong gale in the west and north; in the south and south-east, however, they did not at any time exceed the force of a strong breeze or moderate gale.

II.—DATA from which the SUMMARY on page 55 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	46	32	43.9	35.0	39.3	+ 1.1	5	25	1.87	+1.19	*	*	*	*
	Stornoway	46	30	43.7	33.6	38.5	- 0.9	5	30	2.52	+1.62	19.3	- 1.0	25	- 1
	Wick	47	30	44.1	32.1	37.9	- 0.8	6	35	0.93	+0.43	*	*	*	*
	Lairg	48	29	44.8	32.0	38.2	+ 0.6	8	36	5.04	+3.64	*	*	*	*
	Glencarron	47	32	44.6	34.8	39.6	+ 1.0	7	26	4.00	+3.25	10.4	?	14	?
	Fort Augustus	49	32	45.7	35.5	40.5	+ 0.7	10	25	4.84	+3.27	12.8	?	17	?
1. SCOTLAND, E.	Fort William	49	32	45.7	35.5	40.5	+ 0.7	10	25	4.84	+3.27	12.8	?	17	?
	Nairn	50	29	45.6	32.9	39.1	0.0	10	33	0.67	+0.29	*	*	*	*
	Aberdeen	49	32	45.7	35.0	40.2	+ 0.8	10	26	0.66	+0.08	29.1	+ 6.7	38	+ 9
	Braemar	42	28	40.0	31.8	35.8	0.0	0	43	2.02	+1.42	18.3†	†	24†	†
	Ochertyre	49	29	48.3	33.1	40.5	+ 2.0	18	34	2.36	+1.66	*	*	*	*
	Leith	52	32	49.6	34.9	42.0	+ 1.4	21	20	0.62	+0.29	*	*	*	*
2. ENGLAND, N.E.	Marchmont	50	30	48.0	30.9	39.2	+ 1.2	17	41	0.86	+0.29	18.0	?	23	?
	Alnwick Castle	50	34	46.0	37.4	41.6	+ 2.5	11	18	0.28	-0.25	*	*	*	*
	Durham	51	32	48.4	35.1	41.6	+ 2.4	18	23	0.09	-0.36	27.9	+ 6.8	36	+ 8
	Shields	54	31	49.1	34.1	41.4	+ 1.3	20	31	0.04	-0.36	*	*	*	*
	Scarborough	50	33	48.2	36.1	42.0	+ 1.6	17	17	0.39	-0.01	*	*	*	*
	York	53	32	50.0	35.4	42.5	+ 2.4	31	18	0.35	-0.05	26.9	+ 7.6	35	+ 9
3. ENGLAND, E.	Spurn Head	51	35	47.4	37.1	42.1	+ 2.2	21	14	0.27	-0.03	*	*	*	*
	Hillington	53	29	49.7	35.8	42.5	+ 2.2	30	17	0.49	+0.09	28.6	+ 6.6	37	+ 9
	Yarmouth	50	30	47.9	35.9	41.7	+ 2.4	17	24	0.34	-0.10	*	*	*	*
	Geldeston	54	29	50.3	36.4	43.1	+ 2.6	31	16	0.27	-0.11	27.9	+ 3.7	36	+ 5
	Cambridge	55	28	52.3	33.6	42.7	+ 2.1	40	24	0.23	-0.04	33.5	+10.5	43	+13
	Rothamsted	54	30	50.0	36.4	43.0	+ 3.2	31	16	0.36	-0.05	30.1	?	39	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	52	31	49.9	36.9	43.2	+ 2.8	30	14	0.17	-0.23	*	*	*	*
	Loughborough	54	31	50.6	35.0	42.6	+ 1.8	34	20	0.30	-0.06	*	*	*	*
	Stamford (Ketton Hall)	52	30	50.3	34.0	41.9	+ 0.8	23	32	0.22	-0.06	*	*	*	*
	Cheadle	51	31	47.3	34.7	40.8	+ 1.4	15	28	0.67	+0.07	*	*	*	*
	Churchstoke	52	29	47.8	36.2	41.8	+ 2.0	16	23	0.62	+0.12	19.6	- 1.4	25	- 2
	Hereford	52	31	49.1	36.3	42.5	+ 0.9	27	16	0.38	-0.02	*	*	*	*
5. ENGLAND, S.	Cirencester	51	28	48.7	33.3	40.8	+ 1.2	19	34	0.53	+0.07	25.3	+ 2.4	32	+ 3
	Oxford	53	30	49.6	35.1	42.1	+ 1.1	30	19	0.25	-0.14	23.5	+ 1.5	30	+ 2
	London	54	30	51.0	35.3	42.9	+ 1.3	34	19	0.25	-0.10	22.1†	+ 6.1†	28†	+ 8†
	North Foreland	54	35	50.0	38.9	44.3	+ 3.4	29	9	0.18	?	*	*	*	*
	Strathfield Turgiss	54	31	50.0	35.8	42.7	+ 1.6	31	17	0.52	+0.12	*	*	*	*
	Dungeness	53	30	49.6	36.3	42.8	+ 1.7	30	16	0.26	-0.15	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	50	32	48.6	38.9	43.6	+ 1.8	24	9	0.64	+0.21	27.6	- 0.2	35	0
	Southampton	55	30	51.0	37.6	44.1	+ 1.7	33	12	0.63	+0.15	22.0	- 3.0	28	- 4
	Hurst Castle	53	35	49.0	39.9	44.3	+ 2.5	25	16	0.50	+0.05	*	*	*	*
	Stowell	52	31	48.6	35.8	42.0	+ 1.3	18	17	0.66	?	*	*	*	*
	Laudale (Loch Sunart)	48	33	45.4	35.8	40.5	- 0.2	10	23	4.18	+2.62	*	*	*	*
	Glasgow	48	33	45.5	36.1	40.7	+ 0.7	10	22	1.49	+0.88	22.9	+ 6.4	30	+ 9
7. ENGLAND, N.W.	Ardrossan	47	33	45.7	27.6	41.5	+ 0.6	10	17	1.47	+0.90	*	*	*	*
	Glenlee	48	27	44.2	35.1	39.5	+ 0.7	6	25	2.98	+2.09	*	*	*	*
	Douglas (Isle of Man)	50	33	47.7	38.5	43.0	+ 1.8	22	10	1.90	+1.23	25.9	+ 1.8	34	+ 3
	Stonyhurst	49	32	45.4	36.0	40.6	+ 0.7	10	23	6.21	+1.41	13.1	- 6.9	17	- 9
	Blackpool	51	34	46.9	39.3	43.0	+ 2.3	18	8	1.10	+0.60	14.8	- 4.9	19	- 6
	Manchester (Prestwich)	51	31	46.9	35.1	40.8	+ 0.8	14	26	1.77	+1.20	13.6	?	18	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	51	37	48.1	38.9	43.4	+ 2.3	23	9	0.78	+0.40	*	*	*	*
	Llandudno	51	36	48.2	40.9	44.4	+ 1.8	21	5	0.82	+0.35	16.6	- 3.3	21	- 4
	Holyhead	50	37	48.3	40.4	44.2	+ 1.6	22	4	0.71	+0.17	*	*	*	*
	Llandovery	52	28	48.9	34.1	41.3	- 0.7	19	31	2.44	+1.57	*	*	*	*
	Pembroke	49	42	47.4	43.0	45.1	+ 2.5	22	0	0.78	+0.19	21.6	- 4.4	28	- 5
	Bristol (Montpelier)	52	32	49.3	37.6	43.5	+ 1.9	29	12	0.73	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	50	31	47.4	36.3	41.7	+ 1.0	15	23	2.17	+1.27	*	*	*	*
	Cullompton	53	28	50.2	35.7	42.7	+ 0.9	31	18	0.74	+0.12	17.9	- 5.6	23	- 8
	Falmouth	52	37	50.0	40.8	45.3	+ 1.1	23	3	0.73	-0.07	22.7	- 4.1	29	- 5
	Plymouth	53	32	50.1	39.7	44.8	+ 1.1	29	6	0.73	+0.13	19.5	- 7.2	25	- 9
	Prawle Point	51	35	48.7	39.3	43.9	+ 1.2	25	8	0.62	+0.17	*	*	*	*
	Malin Head	49	37	46.7	38.0	42.2	- 0.4	18	11	1.05	?	*	*	*	*
10. IRELAND, S.	Londonderry	49	34	48.2	36.0	41.9	+ 0.1	17	24	1.24	+0.82	*	*	*	*
	Edenfel (Omagh)	50	30	47.6	34.9	41.1	+ 0.6	16	28	1.77	+1.25	*	*	*	*
	Belmullet	50	37	49.3	39.1	44.1	+ 0.1	27	8	2.16	?	*	*	*	*
	Markree Castle	51	32	49.6	35.4	42.3	+ 0.9	30	18	1.56	+0.94	21.8	+ 1.4	28	+ 2
	Brookeborough	50	30	48.2	34.6	41.2	+ 0.8	17	29	1.45	+0.80	*	*	*	*
	Armagh	51	34	48.7	36.0	42.2	+ 1.4	27	17	1.19	+0.69	20.7	+ 1.5	27	+ 2
CHANNEL ISLANDS	Donaghadee	51	35	48.3	36.7	42.3	+ 0.6	24	15	0.82	+0.32	*	*	*	*
	Edgeworthstown	52	30	48.2	35.1	41.5	+ 0.9	17	27	1.38	+0.72	*	*	*	*
	Dublin	55	36	51.0	39.0	44.8	+ 1.9	32	8	0.62	+0.12	31.0	+ 8.0	40	+10
	Parsonstown	52	35	50.3	37.7	43.8	+ 2.0	31	12	1.33	+0.83	21.8	- 1.2	28	- 1
	Kilkenny	52	31	50.4	36.6	43.3	+ 0.6	32	15	0.93	+0.42	*	*	*	*
	Waterford	55	31	51.4	37.3	44.1	+ 0.3	34	13	0.70	-0.01	*	*	*	*
CHANNEL ISLANDS	Roche's Point	52	37	50.9	40.4	45.5	+ 1.1	31	4	0.85	-0.05	*	*	*	*
	Valencia	53	40	51.1	43.9	47.4	+ 2.1	38	0	1.41	+0.39	20.5	- 5.8	25	- 8
	Killarney	54	32	51.3	38.1	44.5	0.0	34	11	1.82	?	*	*	*	*
	Foynes	52	38	50.1	40.6	45.2	+ 1.8	28	4	1.56	?	*	*	*	*
	Scilly (St. Mary's)	53	42	51.4	44.6	47.9	+ 2.1	41	0	0.28	-0.27	22.5†	?	32	?
	Jersey	55	38	51.4	40.6	45.8	+ 1.7	32	4	0.55	+0.04	28.7	- 1.6	37	- 1

Stations marked $\mathfrak{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathfrak{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

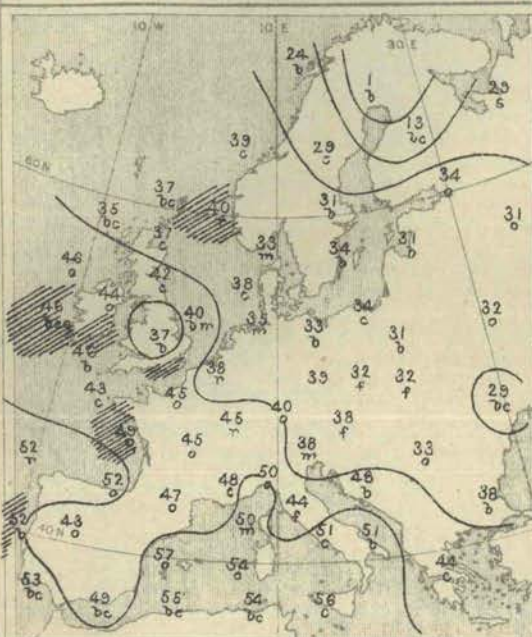
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

‡ The corresponding value in last week's Report should read "7."

Sunday, 4th March.

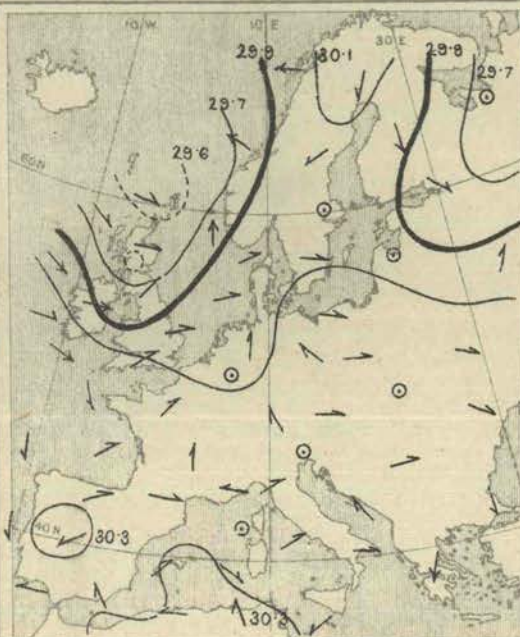
Temperature and Weather.

8 a.m.

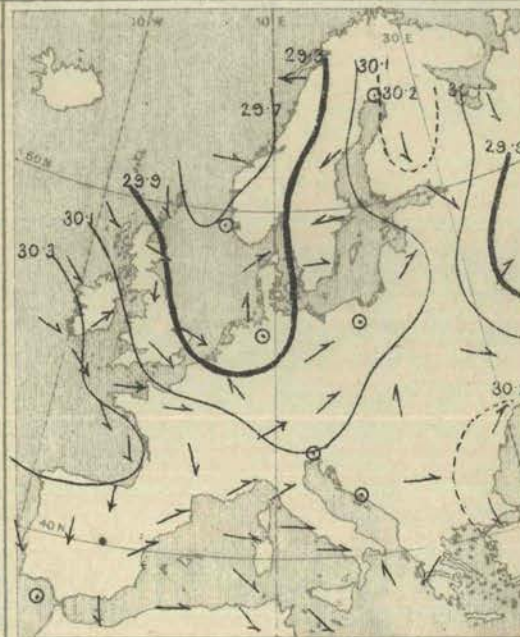


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair and very quiet over the greater part of Europe, especially over the southern and eastern countries; changeable, cloudy, and unsettled over Ireland, Scotland, and Norway, as well as over the Netherlands and the north-west of Spain; much fog over Austria-Hungary. Slight rain later in Scotland, Ireland, and many parts of France, Germany, and north of Italy, very slight showers of graupel in the south-east of England. Thunder in some parts of Norfolk. Rain in the south of France also.

Temperature fallen decidedly over Scandinavia. Morning readings highest, 50° and more at most of the Mediterranean stations and on the coast of Portugal; 46° at Scilly, Valencia, and Belmullet, 43° at Malin Head and Dungeness. Lowest, 1° Fahr. at Haparanda, 13° at Kuopio, 29° at Hernösand and Archangel, 26° at Kharkov, 29° at Nicolaieff, 31° at Warsaw, 32° at Cracow, 38° at Nairn and Oxford. Rising during day to 50° or a little above it at several of our central and southern stations; exceeding 55° in the south of France, and reaching 62° at Perpignan, 63° in south of Italy, 66° at La Calle. Frost occurring in many parts of Great Britain at night.

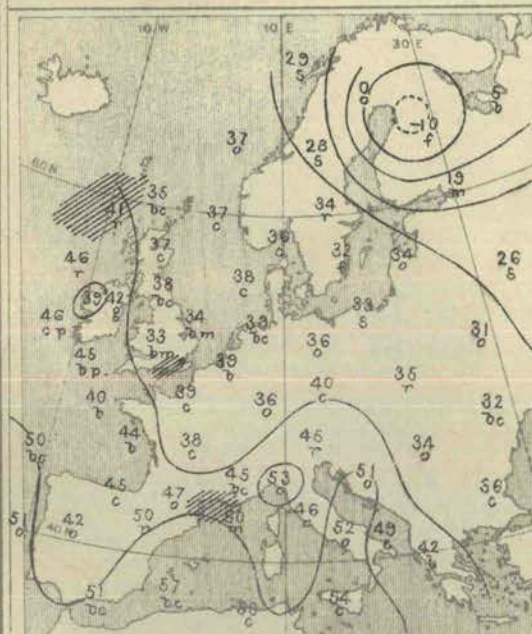
Wind Westerly or North-Westerly over the greater part of our Islands, and strong in force on our north-west coasts; light from the South-Westward over the eastern and central parts of England. Strong from between South and East in the west of Norway; Northerly or North-Westerly over the northern parts of Sweden and Russia, Westerly or South-Westerly in the west of Russia. Variable in Italy and Austria, Easterly or North-Easterly in Spain, North-Westerly winds setting in later over the whole of our Islands and France, and blowing strongly in squalls in many places.

Barometer highest, 30.3 ins. and more to 30.0 ins. over all the southern and south-eastern countries, and exceeding 30.1 ins. at Haparanda and in many parts of Lapland. Lowest, 29.6 ins. and less in a depression over the Shetlands, and about the same value over the south-east of Russia; secondary disturbances prevailing over Scotland, the Netherlands, and the Bay of Biscay. Rising throughout our Islands later.

Monday, 5th March.

Temperature and Weather.

8 a.m.

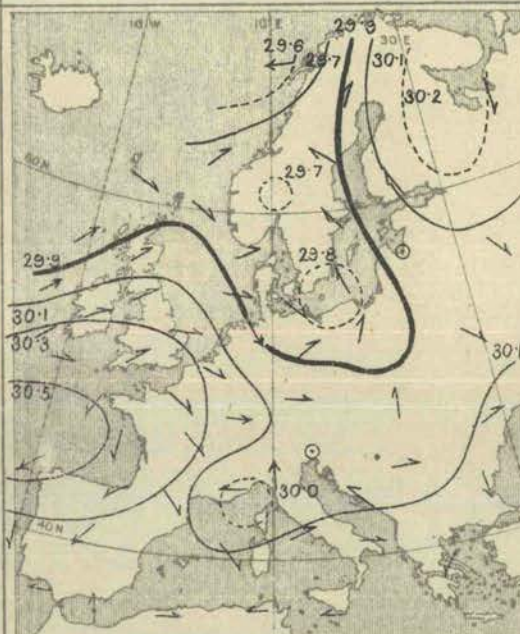


Weather in morning fine and bright over some parts of England, France, the Netherlands, and south-eastern Europe only, cloudy or overcast and unsettled elsewhere, with rain in Ireland and Scotland, as well as at Barcelona and Trieste, snow at Bodo and Hernösand. Rain falling later over the British Islands generally, in north Germany and north of France, snow in Sweden.

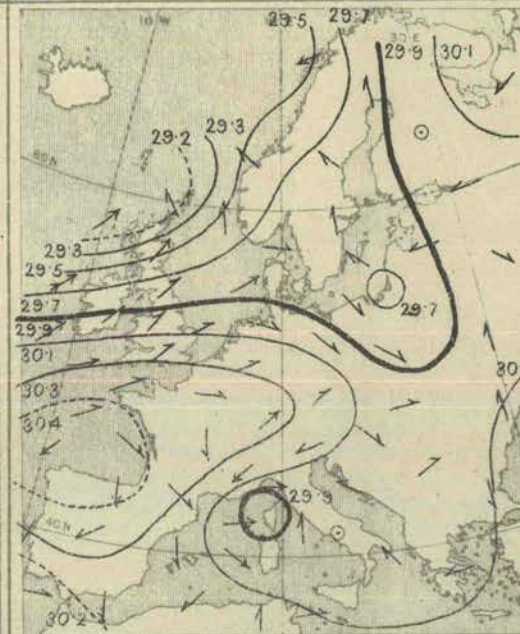
Temperature. Morning readings highest, 50° and more at many of the most southern stations, 46° in the extreme west of Ireland, 45° at Scilly, 42° at Jersey. Lowest, -10° Fahr. at Kuopio, 0° (zero) at Haparanda, 5° at Archangel, 15° at St. Petersburg, 25° to 33° over the southern half of Russia. Rising decidedly over the United Kingdom later, and touching 50° at several stations, 55° in the south of France, 64° at Brindisi, 66° at Lisbon and Algiers.

Barometer and Wind.

8 a.m.



6 p.m.



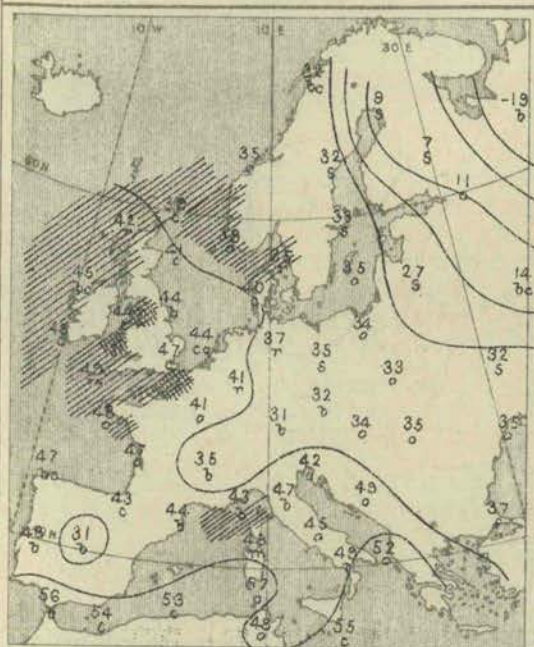
Wind Westerly to South-Westerly over the British Islands, and strong at the north-western stations, North-Westerly over the Netherlands. Northerly in the north and west of France, North-Easterly over Spain, South-Westerly over the southern parts of Norway, South-Easterly to Easterly over Sweden and Lapland. Very variable over the Mediterranean and south-eastern Europe. Becoming strong to a gale from the South-Westward over the United Kingdom later, and blowing freshly from the Northward over the Iberian Peninsula.

Barometer highest, (1) 30.5 ins. and more to 30.1 ins. in an anticyclone spreading in from the Atlantic over Spain, France, England, and the greater part of Ireland; (2) 30.2 ins. and more to 30.1 ins. in another system over northern Europe. Lowest, 29.3 ins. and less in a depression off the coast of Pimank; 29.5 ins. and less over the Hebrides, and still lower in a north-westerly direction; 30.0 ins. and less in another depression off the Riviera. Falling decidedly over the British Islands and north-western Europe later as a new depression approached the Shetland Islands and the north of Scotland from the westward.

Tuesday, 6th March.

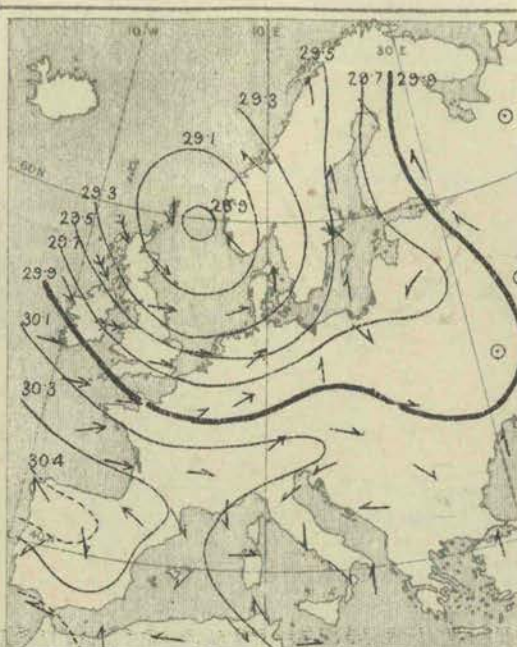
Temperature and Weather.

8 a.m.

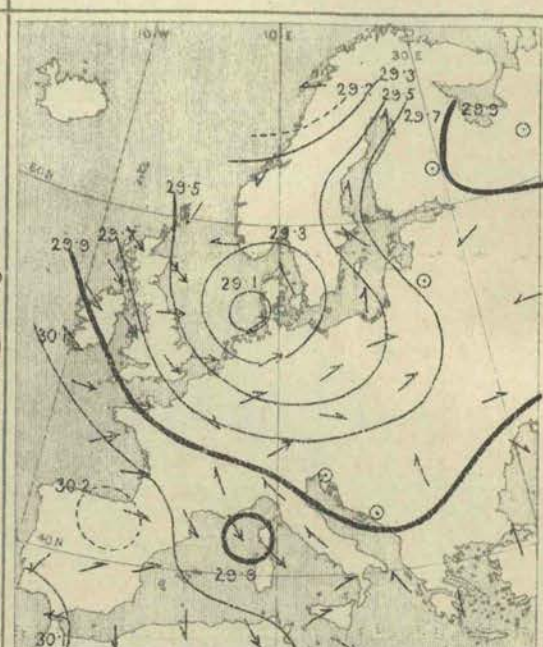


Barometer and Wind.

8 a.m.



6 p.m.



Weather squally and showery over the United Kingdom, dull over the greater part of the Continent, with rain or snow over Scandinavia, Denmark, and the northern parts of Russia and Germany. Fine over the Spanish Peninsula, the south of France, and northern Italy, but dull over the southern parts of Italy, with rain at Naples. No important change occurring during day; showers very general over the United Kingdom, north-western, northern, and eastern Europe, but with considerable intervals of bright weather in the south. Temperature risen over our Islands, the Netherlands, and the west and north of France, as well as in Sweden, Finland, and the south of Russia, fallen in most other localities. Morning readings highest, 56° at San Fernando, 55° at Malta, 54° at Oran, and 53° at Algiers; ranging between 47° and 49° on the south coasts of our Islands. Lowest, - 19° Fahr. at Archangel, + 5° at Uleaborg, 7° at Kuopio, and 9° at Haparanda; below the freezing point in most parts of northern Europe, south Germany, and central Spain. Rising later to 50° or a little above it in many parts of the United Kingdom and France, and reaching 58° at Perpignan, and 63° at Lisbon and Nemours. Ground frost over Great Britain at night.

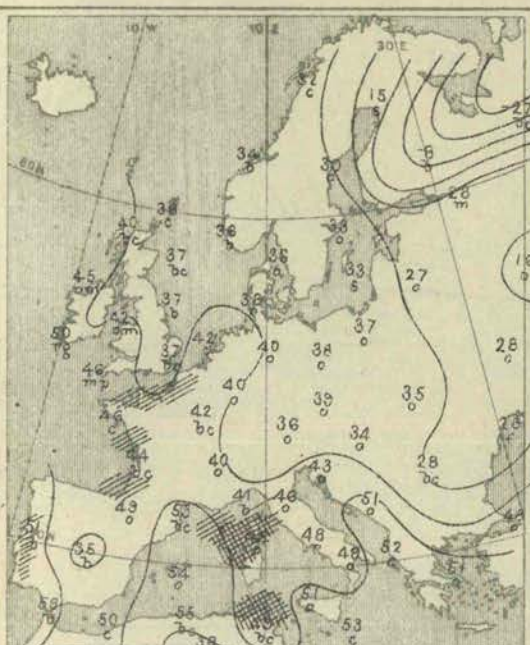
Wind strong to a gale from West or North-West over our Islands, strong from the South-Westward over Germany and the Netherlands; South-Easterly in Finland and Scandinavia, with a gale in the south of Norway. Light from the Southward or South-Eastward over Russia; Easterly or North-Easterly over Spain, northern Italy, and the south of France; variable over the southern parts of Italy, Easterly or South-Easterly in Algeria. Subsequently veering more to the Northward in our Islands, and moderating on our south coasts; no important change occurring elsewhere.

Barometer highest, 30.3 ins. to 30.4 ins. in an anticyclone lying over the Spanish Peninsula. Lowest, 28.9 ins. and less in a well-marked depression having its centre a little to the eastward of the Shetlands; gradients rather steep over north-western Europe generally. Depression subsequently moving in a south-easterly direction across the North Sea, and barometer rising rapidly in the north of our Islands.

Wednesday, 7th March.

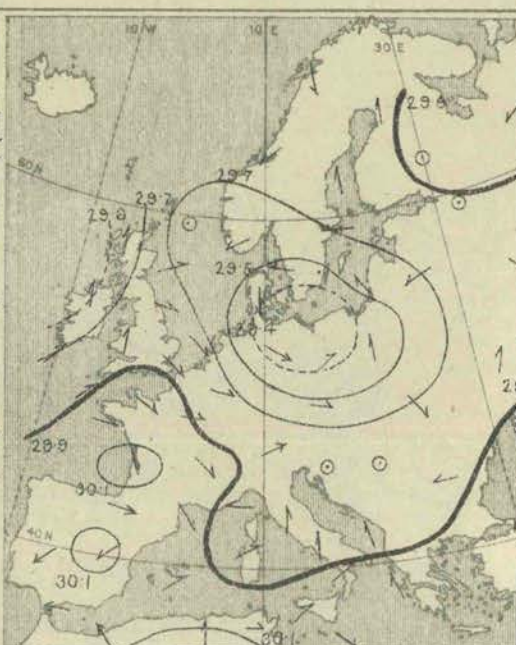
Temperature and Weather.

8 a.m.

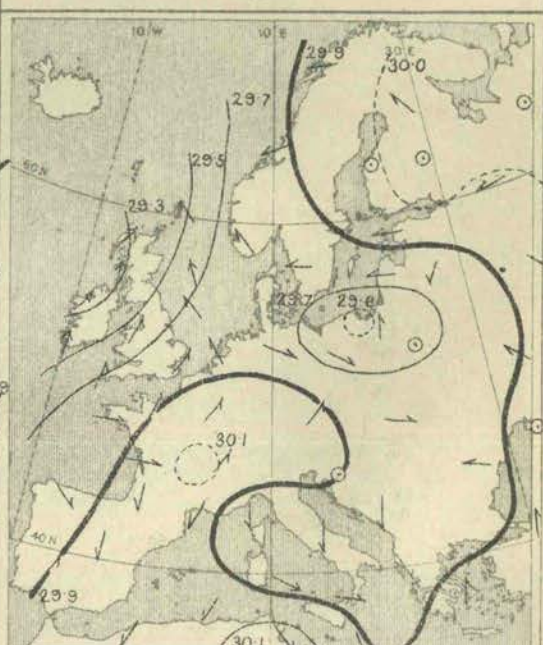


Barometer and Wind.

8 a.m.



6 p.m.



Weather fair or fine over Great Britain, dull in Ireland, with rain at the central and southern stations. Fine in Norway, as well as over the greater part of France and Spain, but dull in most of the other Continental countries, with fog in the extreme south of Russia, and rain or snow at some of the Baltic stations. Rain later in all parts of the United Kingdom, Scandinavia, and north Germany, amounts large on some parts of our western coasts.

Temperature fallen over north-western and northern Europe, as well as in the south of Russia, but risen elsewhere. Morning readings highest, 55° at San Fernando, 55° at Algiers and Patras, 54° at Oporto and Palma; above 50° at most of the Mediterranean stations, and just touching that point in the south-west of Ireland. Lowest, - 27° Fahr. at Archangel, - 8° at Kuopio, + 19° at Uleaborg, 13° at Helsingfors, and 16° at Moscow, below the freezing point over northern and eastern Europe, and as low as 32° in the north of Scotland. Rising later to 50° or more at several of our southern and central stations; exceeding 55° in the west and south of France, reaching 61° at Perpignan.

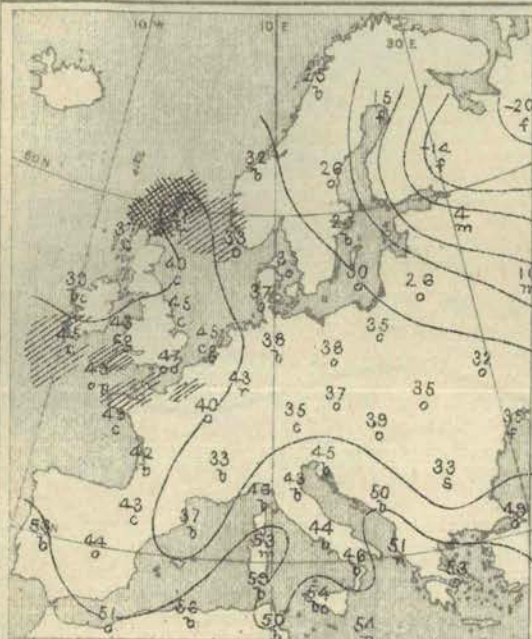
Wind light to moderate from the Southward in the west of our Islands, but Westerly or North-Westerly in the east and south, as well as over the Netherlands, western Germany, and the greater part of France. South-Westerly or Southerly over eastern Germany; Easterly or North-Easterly over Scandinavia and northern Russia as a whole, but Southerly in the northern parts of Sweden. Variable over Austria and the south of Russia; Southerly in Italy, Easterly or North-Easterly over the Spanish Peninsula. Subsequently backing to the Southward in all parts of the United Kingdom, and increasing to a strong gale in the north-east of Scotland at night.

Barometer highest, 30.9 ins. to 30.1 ins. and upwards in an anticyclone extending from Algeria over Spain and the western parts of France; 29.9 ins. and upwards over northern Russia. Lowest, 29.4 ins. and less in a well-marked but somewhat shallow depression over Denmark and north Germany, 29.6 ins. and less in another system lying to the westward of our Islands. Latter disturbance subsequently spreading eastwards, and barometer falling briskly in all the more western and northern parts of the United Kingdom.

Thursday, 8th March.

Temperature and Weather.

8 a.m.

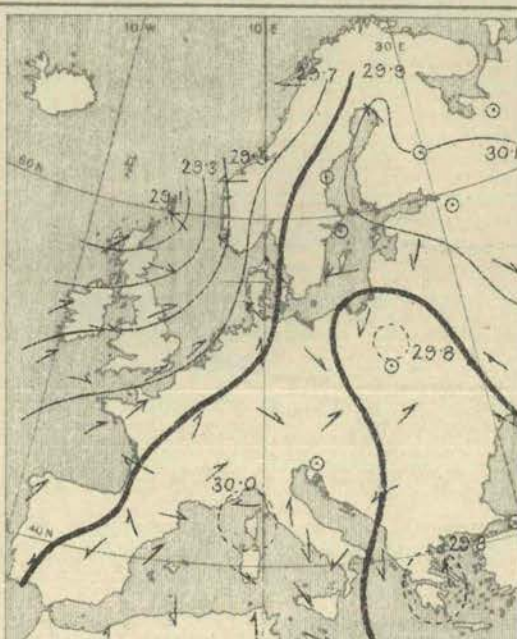


Weather in morning fine and bright over the Mediterranean and southern parts of France, also over Lapland and the north-west of Norway; cloudy or overcast elsewhere, very changeable over the British Islands and their neighbourhood, with rain in several places. Rain falling later in nearly all parts of the British Islands, the south of Norway (heavily at Oxo), the Netherlands, and north Germany, but sky clearing over England at night. Bright aurora seen in the north of Scotland.

Temperature risen over England and the north of France. Morning readings highest, 56° at Algiers, and exceeding 50° at many stations on the southern side of the Mediterranean and on the Spanish coast, 49° to 45° in the south and south-west of our Islands, and above 49° on all the English and French coasts. Lowest, -20° Fahr. at Archangel, 14° at Kuopio, +4° at St. Petersburg, 10° at Moscow, 35° at Rode and Stockholm, 27° at Kharkov, and below the freezing point all over Russia and northern Europe. Rising later to 70° at Biarritz, 58° at Perpignan, 53° at Jersey, 51° at Valencia (Ireland). Cold again over England at night.

Barometer and Wind.

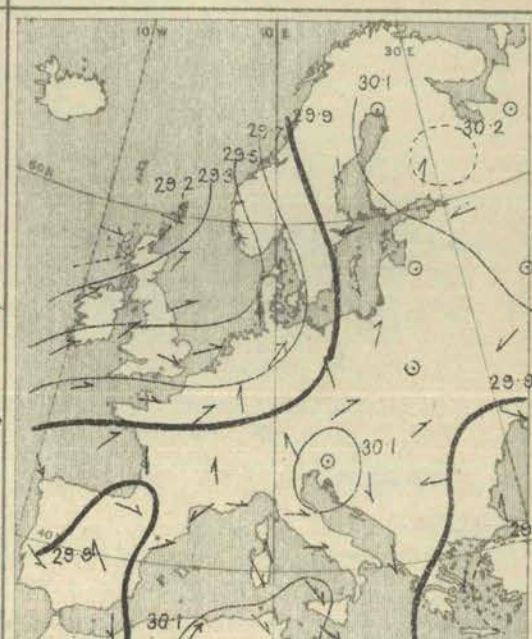
8 a.m.



Wind very light over Europe, but moderate Northerly over Italy, South-Westerly to Westerly over the United Kingdom as a whole—moderate to strong in force, South-Easterly to Easterly in the Shetlands and Norway. Very little change over our Islands and western Europe later.

Barometer highest, (1) 30.1 ins. to 30.0 ins. both over the northern and southern parts of Europe, the "col" joining the two lying over Denmark and western Germany. Lowest, 29.1 ins. and less in a depression off the north-west of Scotland, and below 29.9 ins. over central and south-eastern Europe. Changing very little over our Islands later, but falling over Denmark and the south of Norway; new depression being developed over the north-eastern parts of the North Sea.

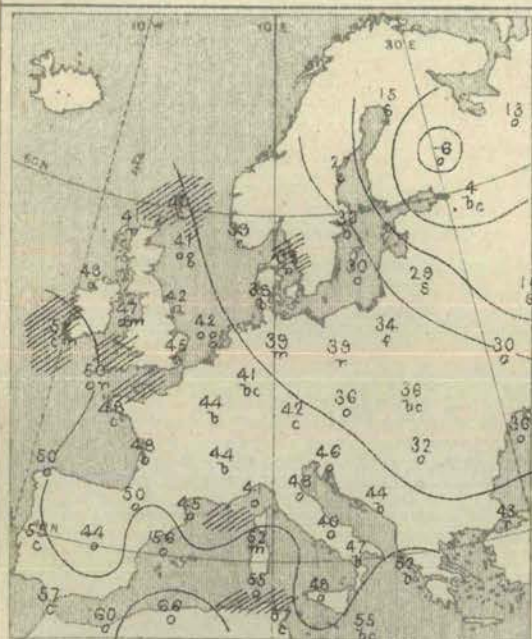
6 p.m.



Friday, 9th March.

Temperature and Weather.

8 a.m.

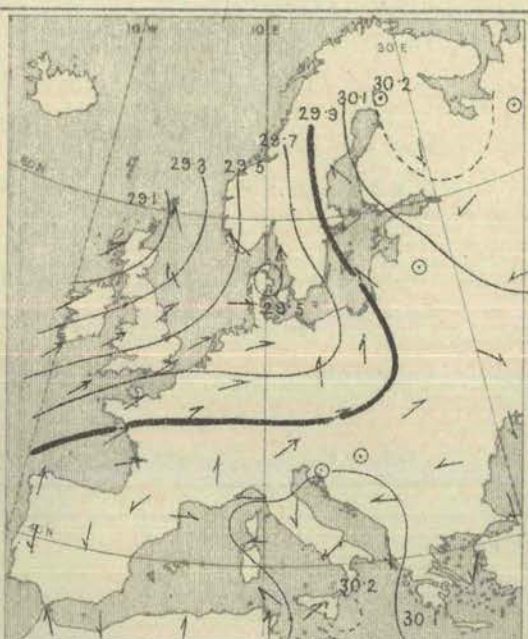


Weather in morning fine and bright over Greece and the south of Italy, as well as over the north-east of France and the Netherlands, cloudy, changeable, and unsettled elsewhere, with rain in several localities; snow in the north of Sweden, at Riga and Moscow, fog over north Germany and at Vienna. Rain later in all parts of the United Kingdom and their neighbourhood; in small quantities generally, but large at Oxo; lightning at Belmullet at night.

Temperature risen over northern Europe (very rapidly at Archangel), changed irregularly elsewhere. Morning readings highest, 66° at Algiers, 60° at Oran, and exceeding 50° at many of the Mediterranean, Spanish, and Portuguese stations, as well as at Scilly and on the south coast of Ireland. Lowest, -6° Fahr. at Kuopio, +4° at St. Petersburg, 13° at Archangel, 15° at Haparanda, 16° at Moscow, 29° at Oran and Buda-Pesth. Rising later to between 50° and 54° over the greater part of our Islands, to 60° at Lyons, 61° at Lisbon and Palermo, and 70° to 72° on the Algerian coast.

Barometer and Wind.

8 a.m.



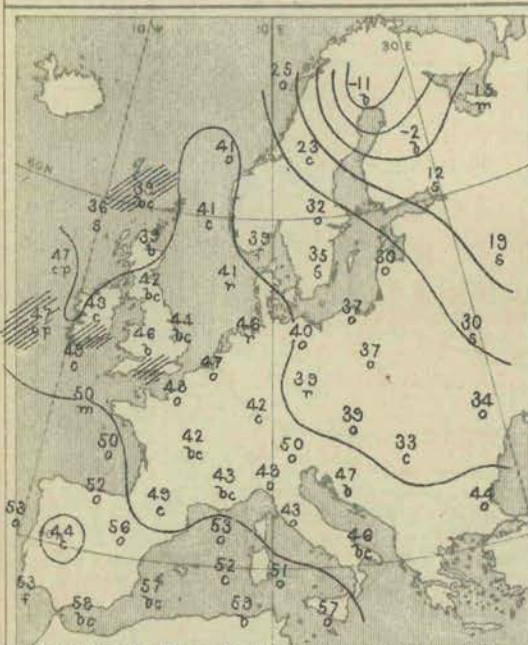
Wind South-Westerly to Southerly, moderate to strong, over our Islands, the north of France, and the Netherlands, Southerly to South-Easterly, light, over the Baltic; South-Easterly to Easterly over Scandinavia, and blowing a gale from North-East at Faerder. Very light and variable over eastern, south-eastern, and southern Europe. Blowing a moderate gale on the Welsh coast and at Prawle Point later, but gale at Faerder dying down; not much change elsewhere.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. over Finland and the northern parts of Russia and Sweden; (2) 30.2 ins. to 30.0 ins. over the Mediterranean, southern and south-eastern Europe. Lowest, 29.1 ins. and less in a large depression having its centre to the westward of the Hebrides, below 29.5 ins. in a small one over Denmark, and below 29.9 ins. at Kharkov and over the Sea of Azof. Larger depression in north-west moving north-eastward later, small one over Denmark growing much shallower. Pressure increasing over northern Europe.

Saturday, 10th March.

Temperature and Weather.

8 a.m.

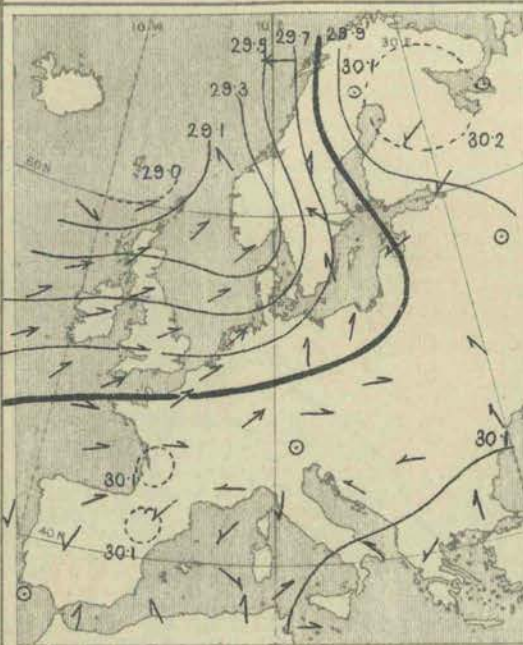


Weather in morning fine and bright over Great Britain and the east of Ireland, as well as over Finland and the north of Sweden, dull and unsettled in most other places, and very changeable over the northern and north-western countries generally. Rainy on our extreme western coasts, over north-western Germany, and at Prague; snowing at Stornoway and several of the Russian stations. Rain later in almost all parts of our Islands and their neighbourhood, but amounts not large.

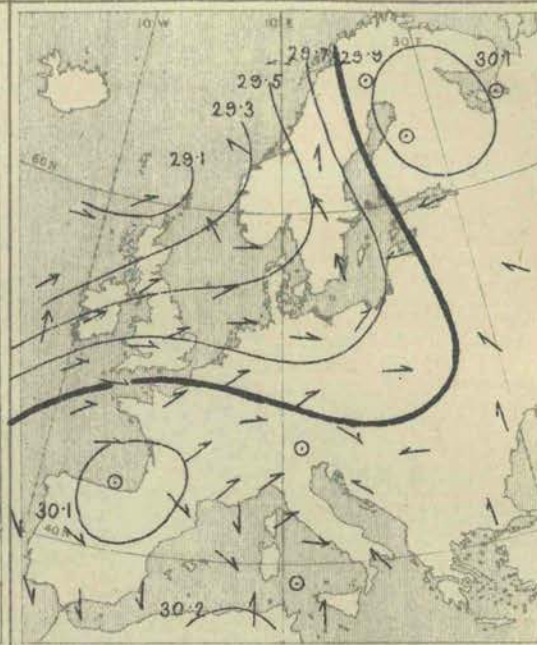
Temperature in morning, highest, 50° to 59° at several of the Mediterranean stations, on the coasts of the Iberian Peninsula, and the west coast of France, 45° to 49° in the west and south of the British Isles and over north-western Germany. Lowest, -11° Fahr. at Haparanda, -2° at Kuopio, +15° at Archangel and Hangö, and below the freezing point over the northern parts of Scandinavia and Russia as a whole. Rising later to between 50° and 54° in many parts of France and our Islands, and remaining rather high at our own stations all night.

Barometer and Wind.

8 a.m.



6 p.m.



Wind Westerly and fresh over the United Kingdom, South-Westerly over the east and north-east of France and the Netherlands, Southerly, moderate, over Germany, South-Easterly to Easterly, moderate to a gale, over Scandinavia. Very little wind, and from various directions over south-eastern and southern Europe, but chiefly North-Easterly over Spain. Northerly over the western parts of Italy. Backing to South-West on our western and north-western coasts later, and increasing in strength.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. over the northern parts of Russia and the Gulf of Bothnia; (2) 30.1 ins. to 30.0 ins. over the Mediterranean and southern Europe. Lowest, 29.0 ins. and less in a depression lying to the northward of Sumburgh Head, and below 29.3 ins. in a secondary off the north-west of Denmark. Beginning to fall fast in the west of the British Islands later, as a new depression approached Scotland from the south-westward.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During this week the distribution of pressure over Europe has been of a less simple character than that noticed for a long while past. Pressure has, indeed, been highest, as a whole, over the south-western and southern countries, but, during the greater part of the time, a second high-pressure system has prevailed over northern Europe. Depressions have continued to appear off the coasts of the north-western countries, and, for the most part, have moved from south-west to north-east in those regions, while secondary systems and "hollows" have spread thence over the North Sea to central Europe. One primary depression, however, which reached our extreme north-west coasts from the westward early on the 6th, subsequently moved south-eastwards, and arrived over north Germany on the following day, when it gradually filled up.

The weather has, consequently, been rather unsettled, rain has fallen, more or less, in almost all districts, but especially in the north-west, and the wind, though chiefly Southerly to Westerly over the British Islands and their neighbourhood, on one occasion shifted to the Northward for a brief interval and blew strongly.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 56.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	20.6	?	27	?	EASTBOURNE	28.9	?	37	?
OSWALDKIRK (Yorkshire)	26.9	?	35	?	MANCHESTER (Oldham Road)	19.3*	?	13*	?
WORKSOP	26.9	+ 6.4	33	+ 7	TENBY	27.8*	?	36*	?
THURCASTON (Leicestershire)	27.6	+ 9.7	35	+ 12	NEWQUAY	23.0	?	29	?
MARGATE	29.7	?	38	?	TORQUAY	21.7*	?	28*	?
WESTBOURNE (Sussex)	25.5*	?	33*	?	ARLEY COTTAGE (County Cavan)	21.7	?	28	?
BRIGHTON	28.0	?	36	?	GUERNSEY	28.5*	?	37*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Vol. XI. No. 11.]
Third Series.

WEEK ENDING SATURDAY, 17TH MARCH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number.

TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90.

RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only.

BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 62.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	22	44.1	31.4	37.6	1 below.	Day-deg. 6	Day-deg. - 1	38	+ 4	Day-deg. 51*	Day-deg. - 18	392*	+ 26
	1. SCOTLAND, EAST	54	20	46.2	31.1	38.5	1 below.	12	- 2	40	+ 6	70	- 34	456	+ 45
	2. ENGLAND, N.E.	52	25	47.2	33.2	40.0	0 (average)	15	+ 1	33	+ 2	129	+ 24	367	0
	3. ENGLAND, EAST.	56	28	49.7	35.7	42.5	2 above.	30	+ 11	18	- 16	188	+ 71	390	- 26
	4. MIDLAND COUNTIES.	54	23	48.5	34.1	41.1	0 (average)	18	- 2	31	- 2	172	+ 34	381	- 24
5. ENGLAND, SOUTH	56	27	49.6	38.0	43.6	2 above.	28	+ 8	11	- 16	202	+ 48	279	- 37	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	23	45.4	33.1	39.1	1 below.	10	- 2	32	+ 6	98	- 11	290	- 8
	7. ENGLAND, N.W.	52	27	46.9	36.1	41.4	0 (average)	14	+ 1	23	- 4	153	+ 53	263	- 44
	8. ENGLAND, S.W.	55	25	49.1	37.4	43.1	0 (average)	27	+ 7	13	- 9	244	+ 62	212	- 23
	9. IRELAND, NORTH	56	27	47.2	33.5	40.1	2 below.	15	- 3	32	+ 9	172	+ 9	293	+ 27
	10. IRELAND, SOUTH	54	27	48.6	36.3	42.2	2 below.	25	+ 2	16	- 3	289	+ 47	197	- 8
	—CHANNEL ISLANDS	52	35	50.0	42.2	46.0	1 above.	28	+ 4	0	- 9	308	+ 62	93	+ 4

DISTRICTS. (See p. 62.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	11	2 more.	66	+ 11	20.9*	+ 8.5	26	+ 9	32	+ 10	95	0	21	0
	1. SCOTLAND, EAST	3	3	3 less.	56	+ 14	11.0	+ 4.4	47	+ 23	53	+ 27	191	+ 48	33	+ 7
	2. ENGLAND, N.E.	4	5	1 more.	49	+ 10	5.4	+ 0.7	49	+ 26	61	+ 32	207	+ 63	30	+ 10
	3. ENGLAND, EAST.	5	6	2 more.	47	+ 8	4.3	- 0.4	40	+ 14	50	+ 19	248	+ 75	35	+ 11
	4. MIDLAND COUNTIES.	4	7	3 more.	53	+ 16	5.8	+ 0.2	39	+ 16	48	+ 20	213	+ 60	39	+ 9
5. ENGLAND, SOUTH	4	6	1 more.	48	+ 12	6.4	+ 0.5	35	+ 8	43	+ 9	243	+ 58	31	+ 10	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	7	2 less.	63	+ 16	18.6	+ 6.0	48	+ 25	59	+ 32	172	+ 27	25	+ 7
	7. ENGLAND, N.W.	4	9	3 more.	55	+ 13	9.8	+ 2.9	38	+ 22	46	+ 27	160	+ 34	25	+ 6
	8. ENGLAND, S.W.	5	12	5 more.	56	+ 13	10.5	+ 1.2	41	+ 12	51	+ 14	233	+ 35	30	+ 6
	9. IRELAND, NORTH	5	6	1 more.	63	+ 14	12.3	+ 4.7	27	+ 9	34	+ 11	168	+ 19	25	+ 4
	10. IRELAND, SOUTH	5	9	2 more.	61	+ 16	10.9	+ 1.7	25	- 2	31	- 1	190	+ 4	29	+ 1
—CHANNEL ISLANDS		5	8	2 more.	56	+ 8	7.8	+ 0.1	38	+ 5	47	+ 7	259	+ 23	24	+ 4

* *Bright Sunshine.*—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was very changeable and unsettled during the earlier part of the week, with frequent falls of rain in the south, and of rain, hail, or sleet in the more northern districts. Later on, however, the conditions improved decidedly, fine, dry weather becoming general in all parts of the Kingdom.

Temperature was slightly below the mean in Ireland and Scotland, but continued a little above in the south and east of England, while in the other parts of England the normal value was just equalled. The highest of the maxima were recorded at the beginning of the week in England, and at the end over Ireland and Scotland; they ranged from 56° in England E. and S. and Ireland N., to 51° in Scotland N., and 50° in Scotland W. The lowest of the minima were experienced towards the close of the period, when the thermometer fell to 20° in Scotland E., 22° in Scotland N., 23° in the Midland Counties and Scotland W., and to between 25° and 28° in all the other districts excepting the Channel Islands, where the lowest reading was 35°.

Rainfall was somewhat in excess of the mean in most parts of the Kingdom, but showed a deficit in the east and west of Scotland.

Bright Sunshine was very prevalent in nearly all districts, and greatly exceeded the mean for the time of year. The percentage of the possible duration which was actually recorded ranged from 43 to 61 over England, from 32 to 59 in Scotland, and from 31 to 34 in Ireland; in the Channel Islands 47 per cent. of the possible amount was recorded.

Barometer and Wind.—During the earlier half of the week the winds and weather over our Islands were influenced by three distinct depressions. The first (moving north-eastwards) skirted the extreme north of Scotland on the 11th and was unusually deep; it caused strong westerly gales at the Scotch stations, and moderate to fresh gales in most other localities. The second moved north-eastwards across England during the night of the 12th, and caused strong South-Westerly gales on all our southern coasts. The third disturbance passed south-eastwards across England during the night of the 14th; a good deal of rain attended its passage, but very little increase of wind. In the rear of this system pressure rose decidedly, and, by the close of the week, the distribution over our Islands had become anticyclonic, with light westerly winds in the north, and Northerly to North-Easterly airs in the south.

II.—DATA from which the SUMMARY on page 61 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	47	31	43.4	34.7	38.9	+ 0.6	4	25	6	0.64	+0.01	*	*	*	*
	Stornoway	47	30	44.3	31.7	37.8	- 1.9	6	36	6	0.71	-0.17	30.6	+ 8.9	38	+10
	Wick	47	29	44.6	31.4	37.8	- 1.4	7	38	5	0.20	-0.19	*	*	*	*
	Lairg	44	22	42.0	28.3	35.0	- 2.8	0	49	6	0.73	+0.03	*	*	*	*
	Glencarron	49	27	43.7	30.8	37.1	- 0.9	5	39	6	2.47	+1.06	*	*	*	*
	Fort Augustus	50	25	45.6	30.0	37.6	- 1.5	10	43	4	1.07	+0.39	23.8	?	29	?
1. SCOTLAND, E.	Fort William	51	28	45.1	32.8	38.8	- 1.3	9	33	5	1.48	+0.07	22.3	?	28	?
	Nairn	52	29	45.9	31.4	38.4	- 1.3	11	38	3	0.60	+0.22	*	*	*	*
	Aberdeen	48	29	46.9	33.1	39.8	0.0	14	33	2	0.02	-0.50	46.9	+22.5	53	+27
	Braemar	43	20	41.2	27.7	34.3	- 1.8	0	54	3	0.19	-0.38	47.3†	††	58†	††
	Ochertyre	54	26	48.3	30.4	39.1	0.0	18	43	2	0.23	-0.42	*	*	*	*
	Leith	52	28	48.6	32.3	40.2	- 0.7	18	37	3	0.22	-0.10	*	*	*	*
2. ENGLAND, N.E.	Marchmont	51	28	46.4	31.9	38.9	+ 0.3	12	37	3	0.29	-0.29	43.0	?	53	?
	Alnwick Castle	47	27	41.7	32.9	38.6	- 0.9	8	32	5	0.50	-0.04	*	*	*	*
	Durham	51	25	47.9	30.9	39.1	- 0.7	17	41	3	0.62	+0.19	47.5	+24.2	61	+32
	Shields	51	28	48.1	32.0	39.8	- 0.6	17	38	4	0.56	+0.16	*	*	*	*
	Scarborough	50	29	46.6	33.6	39.9	- 0.8	13	31	3	0.43	+0.01	*	*	*	*
	York	52	27	49.7	33.1	41.2	+ 0.4	22	35	2	0.65	+0.25	47.7	+26.4	59	+32
3. ENGLAND, E.	Spurn Head	49	34	46.1	36.4	41.1	+ 0.8	11	21	4	0.30	+0.02	*	*	*	*
	Hillington	54	28	49.6	34.3	41.7	+ 0.9	21	31	6	0.30	-0.08	40.6	+17.0	50	+21
	Yarmouth	53	33	47.6	36.7	42.0	+ 2.2	16	15	5	0.37	-0.05	*	*	*	*
	Geldeston	56	28	49.8	34.9	42.1	+ 1.0	31	20	6	0.32	-0.03	38.0	+10.8	47	+14
	Cambridge	56	30	52.0	36.0	43.8	+ 2.5	38	17	5	0.46	+0.15	42.0	+16.0	52	+20
	Rothamsted	54	30	49.3	36.8	42.9	+ 2.3	28	15	4	1.45	+1.05	40.2	?	50	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	53	24	49.1	31.3	39.9	- 0.9	20	40	2	0.23	-0.17	*	*	*	*
	Loughborough	54	23	50.1	34.0	41.8	+ 0.2	23	32	3	0.50	+0.10	*	*	*	*
	Stamford (Ketton Hall)	54	26	50.4	35.1	42.5	+ 0.9	32	19	4	0.34	-0.03	*	*	*	*
	Cheadle	49	31	46.9	33.1	39.8	0.0	14	33	4	0.65	+0.12	*	*	*	*
	Churchstoke	49	25	47.8	33.5	40.4	+ 0.3	16	32	4	0.91	+0.45	36.3	+13.1	45	+16
	Hereford	52	27	45.9	35.4	40.5	- 1.5	11	25	5	0.61	+0.22	*	*	*	*
5. ENGLAND, S.	Cirencester	50	27	47.7	34.0	40.7	+ 0.7	16	31	5	1.44	+0.96	38.9	+14.4	48	+18
	Oxford	52	30	50.0	36.1	42.8	+ 1.2	30	17	4	1.07	+0.69	39.5	+15.7	49	+19
	London	54	27	50.1	36.6	43.2	+ 0.9	31	15	4	0.54	+0.19	29.9†	+11.7†	37†	+15†
	North Foreland	52	35	48.9	39.4	44.0	+ 3.0	25	7	5	0.25	?	*	*	*	*
	Strathfield Turgiss	55	27	50.7	35.6	42.9	+ 1.2	33	18	5	0.51	+0.14	*	*	*	*
	Dungeness	51	31	48.1	39.0	43.4	+ 2.0	22	8	4	0.31	-0.09	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	50	33	48.8	38.6	43.6	+ 1.0	25	10	5	0.48	+0.04	34.2	+ 4.0	42	+ 6
	Southampton	56	31	52.2	37.3	44.5	+ 2.7	37	13	4	0.82	+0.37	34.3	+ 6.5	42	+ 8
	Hurst Castle	54	37	50.0	41.3	45.5	+ 3.2	27	22	3	0.76	+0.34	*	*	*	*
	Stowell	51	30	48.3	36.1	42.0	+ 0.7	18	17	5	0.72	?	*	*	*	*
	Laudale (Loch Sunart)	49	27	45.2	32.9	38.8	- 2.1	9	32	7	1.42	-0.09	*	*	*	*
	Glasgow	48	31	45.2	33.1	39.0	- 1.1	9	32	4	0.38	-0.19	41.2	+22.4	51	+29
7. ENGLAND, N.W.	Ardrossan	48	32	45.7	34.9	40.1	- 1.0	10	26	4	0.66	+0.11	*	*	*	*
	Glenlee	48	23	43.6	30.6	36.9	- 2.2	4	40	4	0.47	-0.40	*	*	*	*
	Douglas (Isle of Man)	50	30	47.5	34.2	40.7	- 0.7	15	30	4	0.49	-0.16	53.9	+27.6	67	+35
	Stonyhurst	48	28	45.2	33.0	38.9	- 1.4	9	32	4	0.97	+0.19	43.9	+22.4	54	+27
	Blackpool	48	27	47.5	36.4	41.8	+ 0.9	15	22	4	0.89	+0.39	47.0	+26.3	58	+32
	Manchester (Prestwich)	51	27	46.9	33.8	40.2	- 0.5	14	31	5	1.15	+0.58	34.7	?	43	?
8. ENGLAND, S.W.	Liverpool Obs. (Bidston)	48	35	46.9	31.7	42.2	+ 0.5	19	12	4	0.58	+0.20	*	*	*	*
	Llandudno	52	32	47.6	37.5	42.4	- 0.5	22	13	5	0.46	+0.01	37.4	+16.5	46	+21
	Holyhead	49	35	47.4	38.3	42.7	- 0.2	20	10	3	1.15	+0.64	*	*	*	*
	Llandovery	55	25	50.0	33.4	41.5	- 0.9	22	34	6	1.50	+0.69	*	*	*	*
	Pembroke	48	37	46.4	40.1	43.2	+ 0.5	16	5	4	0.87	+0.32	41.3	+12.9	51	+16
	Bristol (Montpelier)	52	31	50.1	37.8	43.8	+ 1.7	30	12	5	1.43	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	48	29	46.9	35.3	40.9	- 0.2	14	25	5	2.09	+1.27	*	*	*	*
	Cullompton	53	30	50.5	36.7	43.4	+ 1.2	32	15	5	1.04	+0.46	38.1	+11.9	47	+15
	Falmouth	51	36	49.4	39.2	44.2	- 0.1	27	8	4	1.00	+0.22	43.2	+14.4	53	+17
	Plymouth	52	32	50.3	37.7	43.8	- 0.1	31	12	4	0.75	+0.15	35.7	+ 6.7	44	+ 8
	Prawle Point	51	35	48.9	38.6	43.6	+ 0.8	25	10	5	0.61	+0.16	*	*	*	*
	Malin Head	52	35	45.0	35.7	40.2	- 2.4	8	23	5	0.68	?	*	*	*	*
10. IRELAND, S.	Londonderry	56	32	49.1	33.5	41.1	- 1.1	20	33	4	0.63	-0.01	*	*	*	*
	Edenfel (Omagh)	53	29	44.7	31.6	38.0	- 2.8	8	37	5	0.81	+0.23	*	*	*	*
	Behmullet	50	30	47.7	37.0	42.2	- 2.5	22	14	7	0.53	?	*	*	*	*
	Markree Castle	55	28	48.1	32.2	39.9	- 1.8	17	37	5	0.99	+0.42	23.7	+ 1.3	29	+ 1
	Brookeborough	54	27	47.4	31.2	39.1	- 1.5	15	40	5	0.63	-0.01	*	*	*	*
	Armagh	52	31	47.7	32.7	40.0	- 0.9	16	35	4	0.50	+0.02	37.8	+17.2	47	+21
CHANNEL ISLANDS	Donaghadee	53	34	48.1	35.7	41.7	- 0.2	17	25	4	0.25	-0.23	*	*	*	*
	Edgeworthstown	54	30	47.0	31.6	39.1	- 1.7	14	39	5	0.56	-0.08	*	*	*	*
	Dublin	53	32	49.0	34.5	41.5	- 1.8	20	29	5	0.56	+0.08	34.7	+ 9.5	43	+12
	Parsonstown	53	31	48.1	33.6	40.6	- 1.5	17	32	5	0.61	+0.09	16.3	- 8.9	20	-11
	Kilkenny	54	29	48.7	33.7	41.0	- 1.9	19	32	4	0.78	+0.29	*	*	*	*
	Waterford	54	27	49.4	33.9	41.4	- 2.5	21	32	3	0.70	+0.01	*	*	*	*
CHANNEL ISLANDS	Roche's Point	53	38	49.9	39.1	44.3	- 0.3	28	8	5	0.91	+0.08	*	*	*	*
	Valencia	51	37	48.4	40.6	44.4	- 1.1	23	4	5	1.08	+0.08	24.6	- 4.5	30	- 5
	Killarney	52	31	48.1	35.9	41.8	- 2.5	17	24	5	1.63	?	*	*	*	*
	Foynes	52	37	46.9	39.1	42.9	- 0.4	18	8	4	0.93	?	*	*	*	*
	Scilly (St. Mary's)	51	40	49.6	42.6	46.0	+ 0.2	28	0	4	0.76	+0.23	39.1	?	48	?
	Jersey	52	35	50.4	41.7	45.9	+ 1.3	29	1	6	0.73	+0.18	37.8	+ 4.8	47	+ 7

Stations marked *†* are in connection with the Royal Meteorological Society, and those marked *‡* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnell Row) at the Kew Observatory and the Meteorological Office Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 11th March.

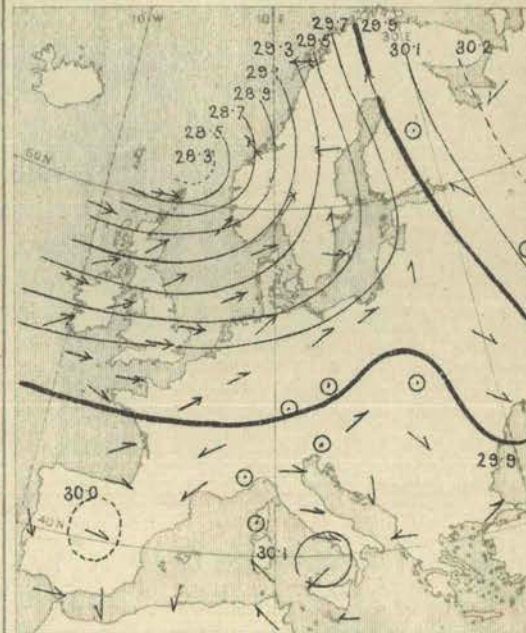
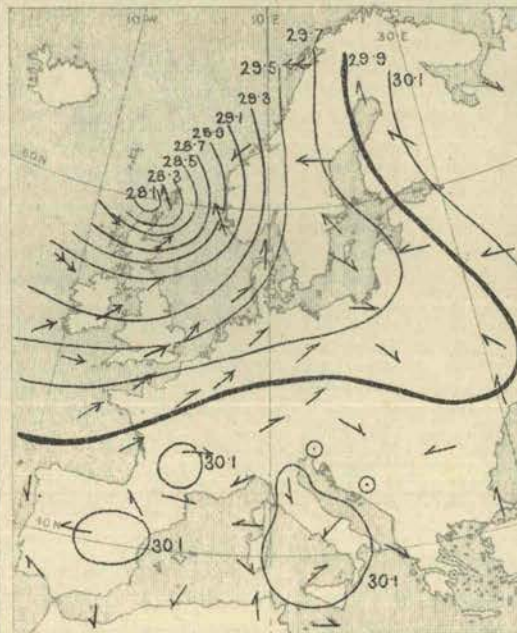
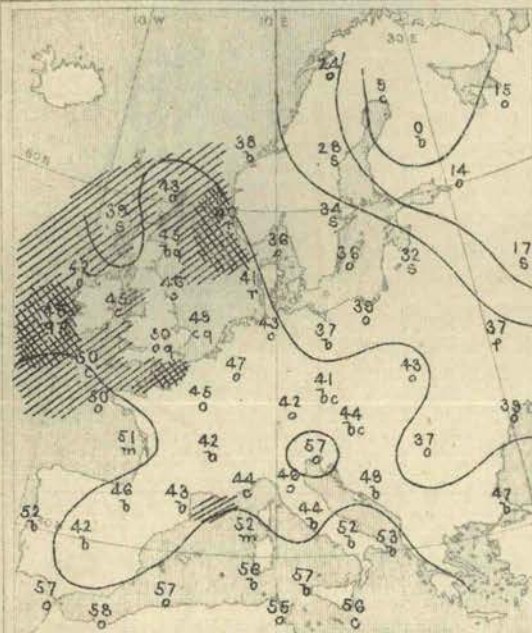
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather squally and showery over our Islands, with snow and hail in the extreme north-west. Fine over the greater part of Germany and southern Europe, but dull in most other parts of the Continent, with rain on the eastern shores of the North Sea, and with snow at several of the Russian and Swedish stations. Showers falling during day over nearly the whole of western and central Europe, and heavy snow in Sweden as well as in some parts of southern Russia. Thunder and lightning occurring at Malin Head.

Temperature changed irregularly. Morning readings highest, 59° at Barcelona and Stax, 58° at Oran, and 57° at San Fernando, Palermo, and Algiers; above 50° over Spain and the Mediterranean stations generally, and just touching that point at some of our own southern stations. Lowest, 0° zero at Kuopio, 7° at Uleaborg, 9° at Haparanda, and 14° at St. Petersburg; below the freezing point over nearly the whole of Sweden and Russia, and below 40° in the extreme north and north-west of our Islands. Rising during day to 50° or a little above it in several parts of Ireland and England, and reaching 56° at Cambridge; exceeding 60° over southern Europe, the highest reading of all being 63° at Gap and Madrid.

Wind strong to a gale from the Westward or South-Westward over the greater part of our Islands, but North-Westerly in the north of Scotland, with a whole gale at Wick. South-Easterly or Easterly in Scandinavia and Finland, with a gale on the Norwegian coasts. Light from the Westward or South-Westward in Germany; variable in Italy; Easterly or North-Easterly in Spain and the south of France. Gale over our Islands moderating gradually during day, but increasing from the Eastward and South-Eastward over the northern parts of Scandinavia.

Barometer highest, 30.1 ins. and upwards in a large area lying over the northern and central parts of Russia, as well as in three smaller areas lying respectively over Italy, the north-east of Spain, and the south of France. Lowest, 28.2 ins. and less in a deep depression having its centre a little to the northward of the Orkneys; gradients exceedingly steep over the northern parts of Scotland and the North Sea. Depression subsequently moving away to the north-eastward; barometer rising quickly in the north of our Islands, but falling briskly in the west of Norway.

Monday, 12th March.

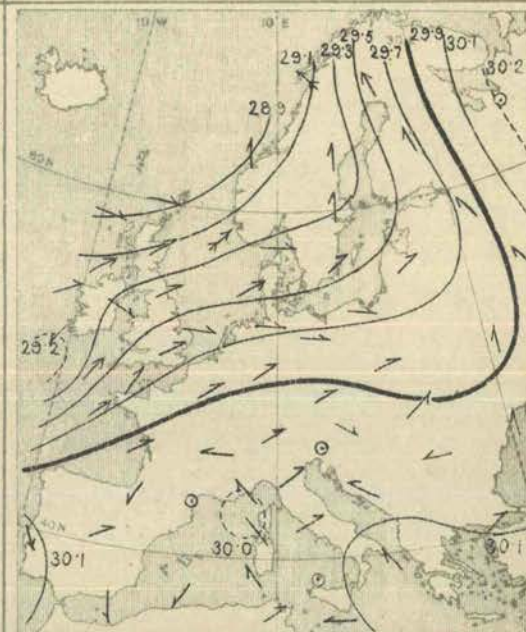
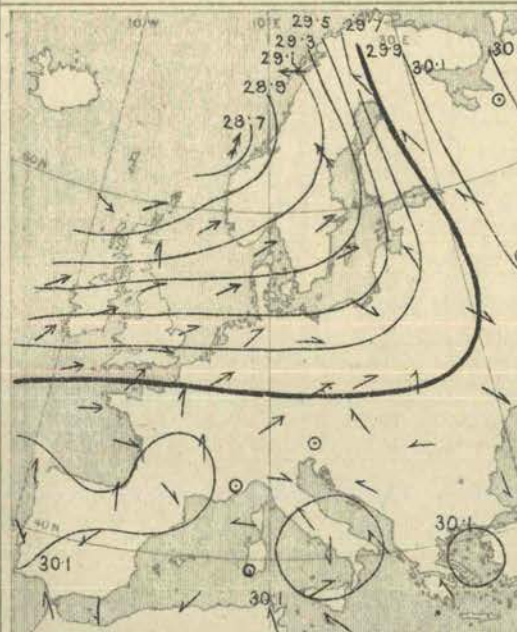
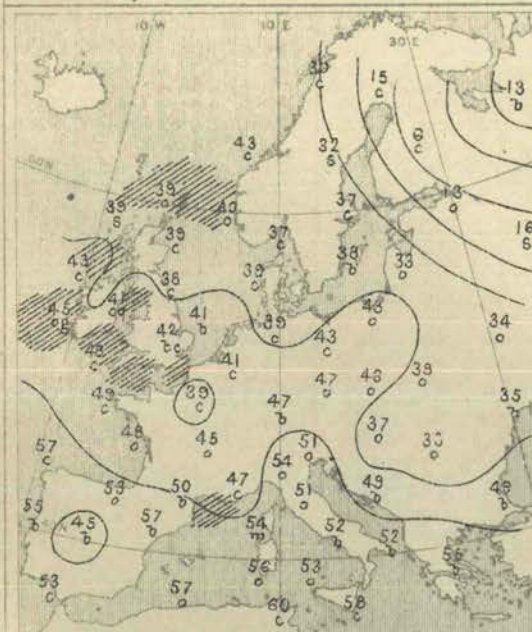
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine over the eastern and central parts of Great Britain, but cloudy in other parts of our Islands, with showers at some of our western stations, and with snow in the north of Scotland. Fine at several of the Danish and German stations, as well as over Spain, the south of France, the Adriatic, and south of Italy; cloudy in other parts of the Continent, with rain at Memel and snow at Helsingfors and Moscow. Steady rain setting in later on our south-west coasts, and extending quickly eastwards and northwards. Solar halos seen in the south of England. Snow falling at several of the Russian and Scandinavian stations.

Temperature fallen in our Islands, the Netherlands, and western Germany, as well as in Austria and the south of Russia, but risen elsewhere. Morning readings highest, 65° at Stax, 58° at Malta, and 57° at Corunna, Barcelona, and Algiers; above 50° in many parts of southern Europe. Lowest, -13° Fahr. at Archangel, +6° at Kuopio, 13° at St. Petersburg, and 14° at Uleaborg; below the freezing point over the northern parts of Scandinavia and Russia generally, and below 40° at most of our own northern stations. Rising during day to 50° or a little more in the south of our Islands; exceeding 60° over southern Europe generally.

Wind strong from the South-Westward or Westward over the greater part of north-western and central Europe, with a moderate gale over the Irish Sea. Strong from the South-Eastward in Finland, and blowing a fresh gale from the South-Eastward or Eastward over the northern parts of Scandinavia. Light and variable over southern Europe and the Mediterranean. Increasing at night to a fresh or strong gale from the South-Westward over the southern parts of England; becoming light and variable in the south of Ireland. Gale over north of Scandinavia moderating gradually.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying over northern Russia; 30.1 ins. and upwards in two other systems, one lying over Italy, and the other over Spain and the south-west of France. Lowest, 28.7 ins. and less in a depression off the west of Norway; gradients steep over Finland and the north of Scandinavia. Depression subsequently moving away northwards, but well-marked secondary system advancing to our south-west coasts, and passing north-eastwards across England during night.

Tuesday, 13th March.

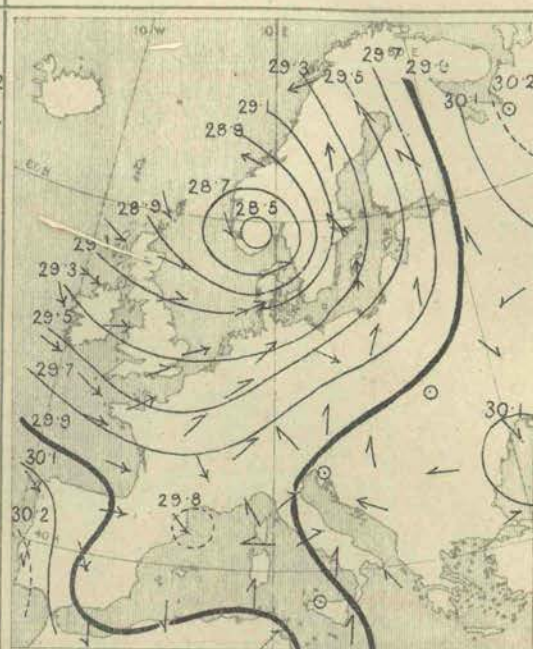
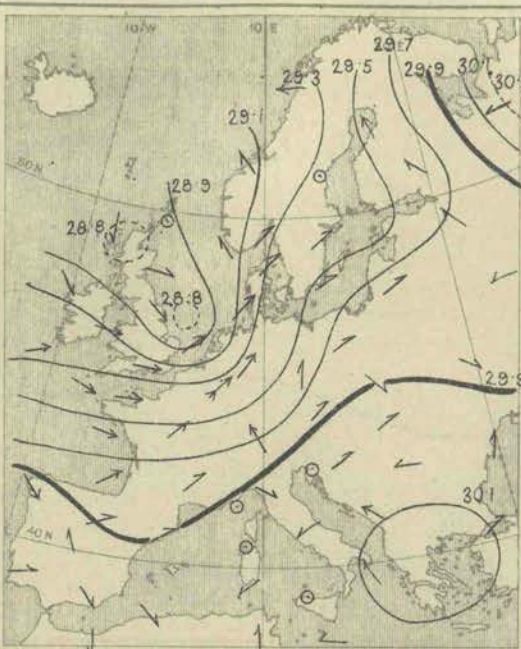
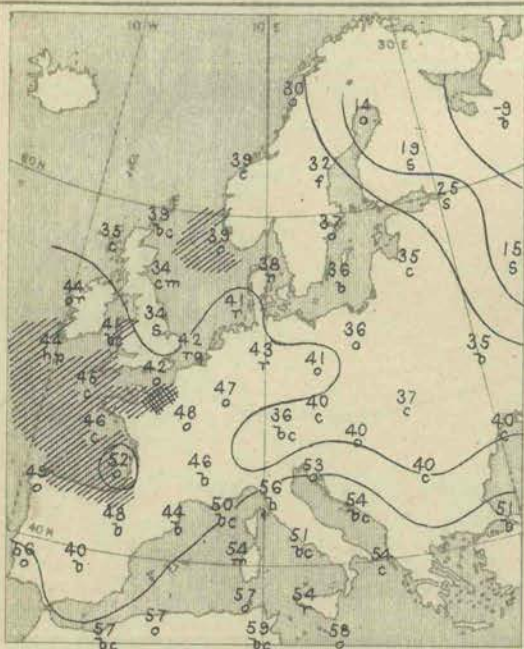
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine in the north of Scotland, but showery in other parts of our Islands, with hail at Valencia (Ireland), and snow at Shields. Dull over all but the southern European countries, with rain in Denmark and the Netherlands, and with snow at several of the Russian stations. Fine and bright in Spain, Italy, and the south of France. Showers of rain and hail falling during day in nearly all parts of western and southern Europe; thunder heard at Cambridge in the afternoon.

Temperature fallen in most parts of western and central Europe, but risen over Russia, Austria, and Italy. Morning readings highest, 59° at La Calle, 58° at Malta, and 57° at Cagliari, Oran, and Algiers, above 50° at nearly all the Mediterranean and Adriatic stations and also on the coast of Spain. Lowest, - 9° Fahr. at Archangel, + 14° at Haparanda, 16° at Moscow, 17° at Uleaborg, below the freezing point over the northern parts of Russia and Scandinavia generally, and very little above it in the north-eastern parts of Great Britain. Daily maxima over our Islands below 60° in most places, but a little above it at some of the south-eastern stations; thermometer exceeding 60° over southern Europe.

Wind calm in the north of Scotland, but Westerly in other parts of the United Kingdom, and strong to a moderate gale on the English and Irish coasts. Southerly gales reported over the Netherlands, and moderate to strong winds from the same quarter over Denmark and Germany; South-Easterly or Easterly breezes over the north of Russia and the greater part of Scandinavia. Variable over southern Europe and the Mediterranean. Westerly wind moderating later on the English coasts, but gale from the South-Eastward springing up over Scandinavia.

Barometer highest, 30.2 ins. and upwards over the north of Russia; 30.1 ins. and upwards over Turkey and Greece. Lowest, 28.8 ins. and less in two depressions, one lying over the north of Scotland and the other off the north-east of England; gradients steep over north Germany and the Netherlands. Depression off north-east of England subsequently travelling north-eastwards to the south of Norway and growing much deeper; barometer at Skudesnaes falling by 6 p.m. to 28.41 ins.

Wednesday, 14th March.

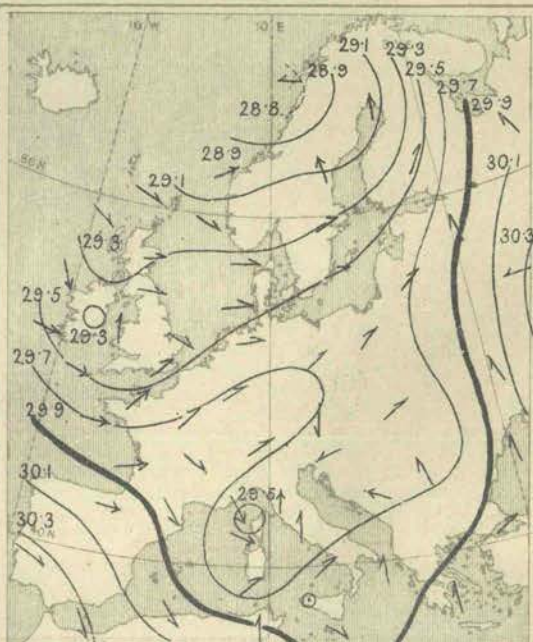
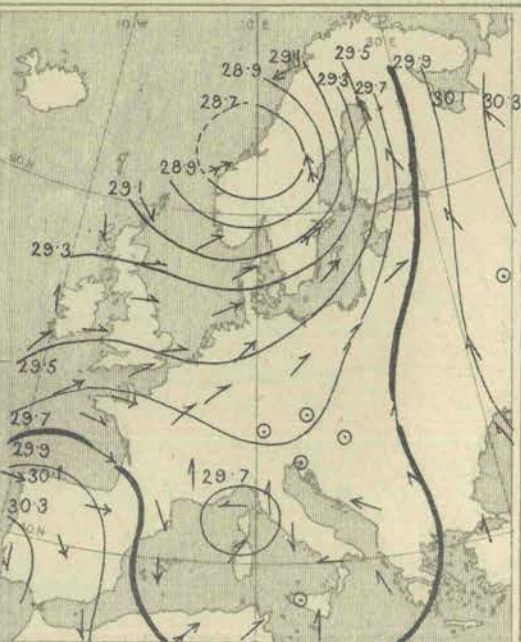
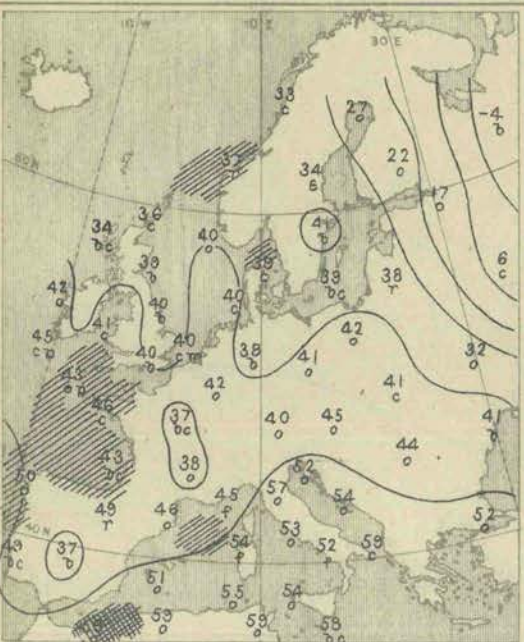
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine in most parts of Great Britain, but showery at one or two of the Channel stations, as well as in Ireland. Cloudy over the greater part of the Continent, with rain at Biarritz, and rain or snow at some of the Scandinavian and Russian stations. Fine in Spain, the Netherlands, and the north of France. Rain setting in later in the west of our Islands, and spreading quickly to nearly all parts of western Europe; snow showers falling in the north of Scotland. Solar halos seen during day at Jersey and Hurst Castle, and lightning at night at Prawle Point.

Temperature fallen in Spain, France, and the Netherlands; risen in Italy, Austria, and eastern Germany, changed irregularly elsewhere. Morning readings highest, 59° at Oran, Algiers, and La Calle, and 58° at Malta, above 50° at the Mediterranean and Adriatic stations generally. Lowest, - 4° Fahr. at Archangel, + 6° at Moscow, 17° at St. Petersburg, and 22° at Knopio; below 35° in the extreme north of Scotland. Daily maxima below 45° in the extreme north and north-west of our Islands, but a little above 50° in the south-east of England. Thermometer reaching 60° or more in most parts of southern Europe.

Wind light to moderate from the Westward over Great Britain and from the Southward or South-Westward in Ireland. Strong from South-West over Denmark, and blowing a gale from the same quarter in the south of Scandinavia; South-Easterly or Easterly gales reported over the north of Scandinavia; light from South or South-East over the greater part of Russia. Strong from West or North-West over Spain and the west and south of France; chiefly South-Easterly in Italy; variable in Austria. Subsequently veering to the North-Westward in the extreme west and south of our Islands; but wind increasing considerably from the North-Eastward over Corsica and the extreme south of France.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying off the Portuguese coasts, and also (apparently) in another system over the north of Russia. Lowest, 28.7 ins. and less in a large depression lying over the central parts of Scandinavia (gradients very steep over Sweden, Finland, and the north of Norway); 29.7 ins. and less in a shallow system over the Gulf of Genoa. Scandinavian depression subsequently travelling away to the northward, but "V" shaped secondary system advancing over our Islands from the westward.

Thursday, 15th March.

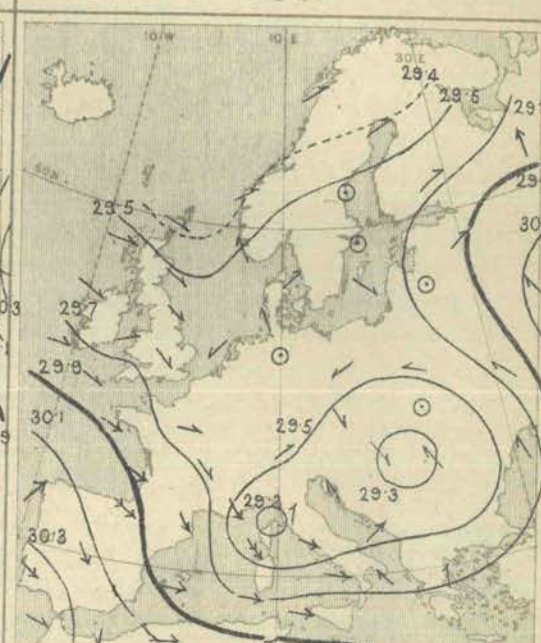
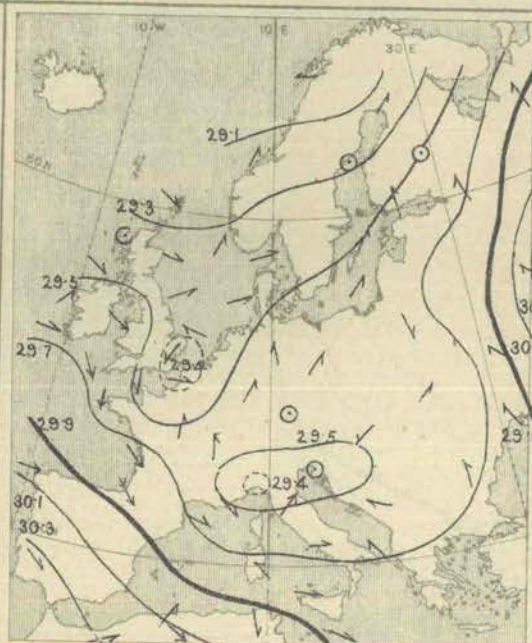
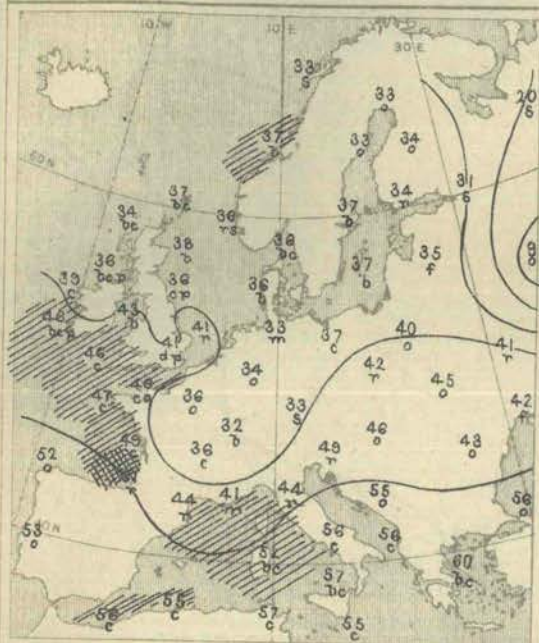
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather dull and showery over the greater part of England; fine in the western and northern parts of our Islands generally. Fine in Denmark and the south of Sweden, but cloudy or overcast in most other parts of the Continent, with rain in the south of France and northern Italy, and with rain or snow at several of the Scandinavian, Russian, German, and Austrian stations. Weather improving later over England, but showers falling in many parts of western Europe, and heavy rain in the south of France. Thunder occurring at Lyons and Toulon during day, and lightning seen at night at Pembroke, Jersey, and Nice.

Temperature falling at all but the Russian stations. Morning readings highest, 60° at Athens and Patras, 58° at Oran, and 57° at Palermo and La Calle; above 50° over southern Europe generally, and above 45° in the extreme south-west of our Islands. Lowest, 9° at Moscow, 30° at Archangel, 25° at Kharkov, and 31° at St. Petersburg; very little above the freezing point over the northern and central parts of the United Kingdom. Rising during day to 50° or a little above it in several parts of England and Ireland; exceeding 60° in Spain and the south of Italy, and reaching 66° at Palma.

Wind light from the Westward in Scotland and from the same quarter or from South-West in Ireland, North-Westerly over the greater part of England, France, and Spain; fresh or strong in force over our south-west coasts and the Bay of Biscay, and blowing a gale at Biarritz and Barcelona. Light from the Southward or South-Eastward over the Netherlands and the extreme south-east of England. Southerly or South-Westerly over Scandinavia, Denmark, and the Baltic. South-Westerly or Westerly in Italy; variable in Austria. South-Easterly in the central and southern parts of Russia. Subsequently veering to the North-Westward in Ireland and Scotland; no important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying off the south-west of Spain, and also in another large system over central Russia. Lowest, 29.1 ins. and less over the north of Scandinavia, 29.4 ins. and less in two other systems, one lying over the south-east of England, and the other over the south-east of France. English depression subsequently moving away to the eastward and filling up; barometer rising over western Europe generally.

Friday, 16th March.

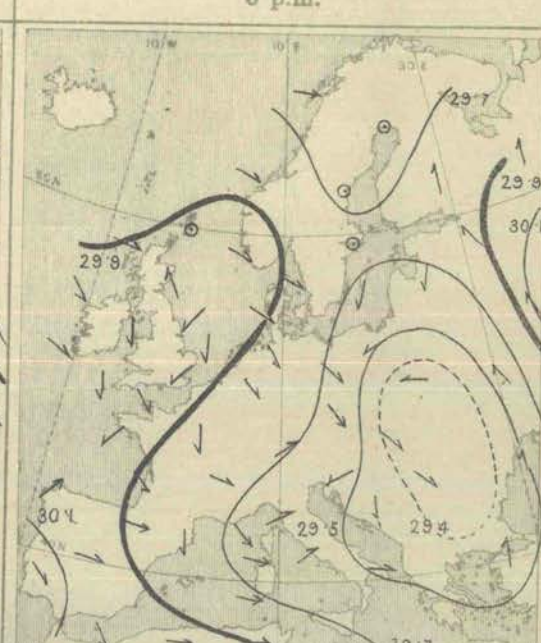
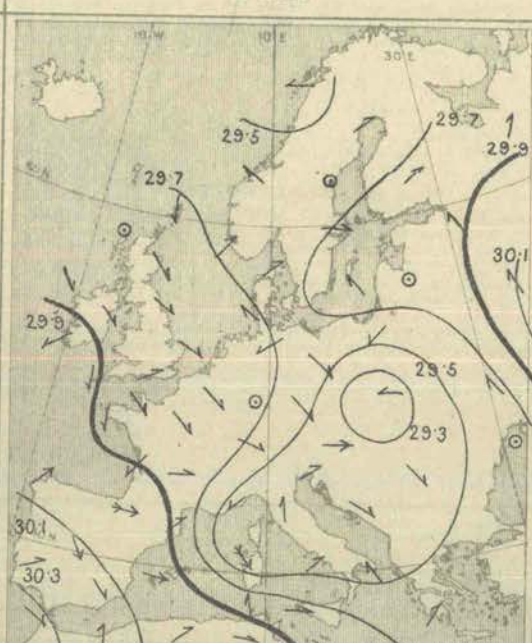
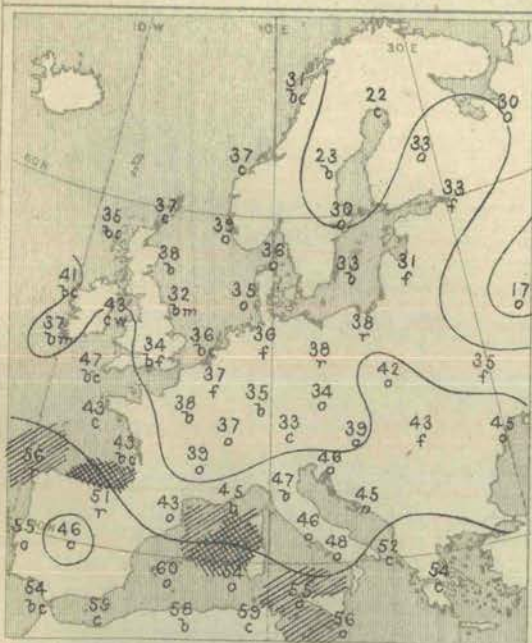
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather fine over the United Kingdom generally, but foggy at some of our southern stations, with slight rain at Jersey. Cloudy or overcast in nearly all the Continental countries, with fog at several of the Russian stations, and with rain in many parts of Germany, as well as at Faerder, Biarritz, and Corunna. Slight rain falling during day in the extreme north and north-west of our Islands, and a considerable quantity at Biarritz and Bilbao, as well as at some of the German stations; heavy snow reported at Christiansund.

Temperature fallen in most countries. Morning readings highest, 60° at Palma, 52° at Oran and La Calle, 58° at Algiers, and 55° at Corunna; above 50° at the Mediterranean stations generally. Lowest, 17° at Moscow, 22° at Haparanda, 23° at Hernösand, and 29° at Uleaborg, below the freezing point over Russia and the north of Scandinavia generally, and just several parts of the United Kingdom, exceeding 55° in many parts of southern Europe, the highest reading of all being 63° at Nice and Malta. Frost occurring over the northern and inland parts of our Islands at night.

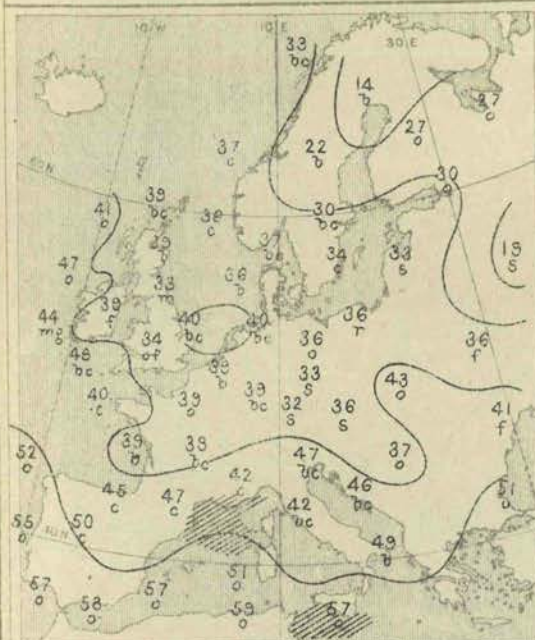
Wind light from the North-Westward over the greater part of western and central Europe, but strong to a gale from the Westward at Biarritz. Moderate from South-West in the south of Norway, variable in other parts of Scandinavia, Southerly or South-Easterly in Russia; but Westerly in Austria and variable in Italy. No important change occurring during day, but gale at Biarritz subsiding gradually.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying off the south of Spain; 30.1 ins. and upwards in another system over central Russia. Lowest, 29.3 ins. and less in a well-marked depression over Galicia; 29.5 ins. and less in a shallow system off the west of Norway. Steady rise of barometer taking place over western Europe during day, and anticyclone beginning to spread over our Islands from the Atlantic. Depression over Galicia remaining almost stationary.

Saturday, 17th March.

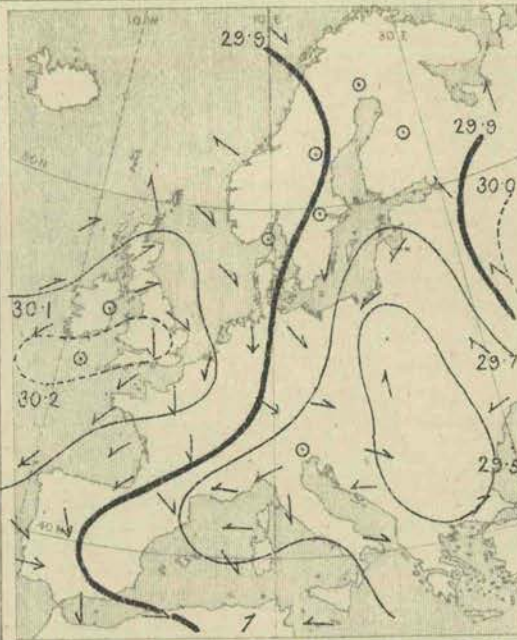
Temperature and Weather.

8 a.m.

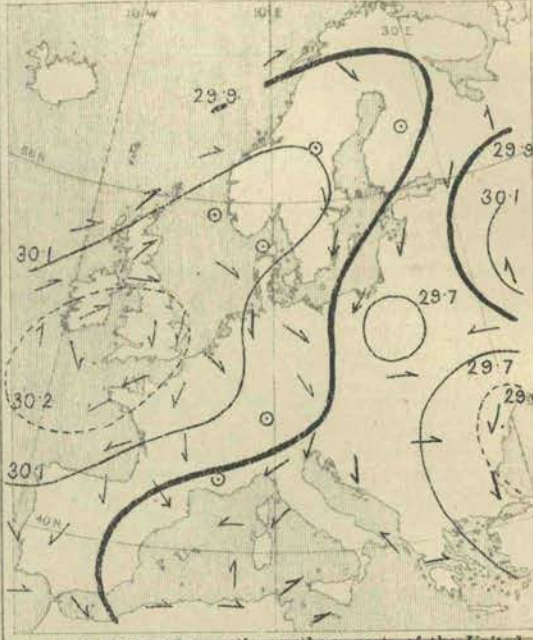


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of western and southern Europe, but foggy or misty at nearly all the English stations. Dull in the eastern and central countries, with snow over south Germany, as well as at Vienna, Riga, and Moscow. Slight rain falling later in the extreme north and north-west of our Islands, and considerable amounts in Algeria, as well as at Palermo, Neufahrwasser, and Nicolaieff. Snow continuing over south Germany.

Temperature risen in the west and north of our Islands, but fallen in most other parts of Europe. Morning readings highest, 59° at La Calle, 58° at Oporto, and 57° at San Fernando, Oran, Algiers, and Malta; above 50° at most of the Mediterranean stations. Lowest, (1) 14° at Haparanda, 19° at Moscow, 22° at Hernösand, and 27° at Archangel and Kuopio; (2) 26° at Loughborough and 31° at Oxford; below 40° in most parts of north-western, northern, and central Europe. Rising during day to 50° or a little more in several parts of the United Kingdom; exceeding 60° over southern Europe generally, the highest reading of all being 64° at Malta. Sharp frost occurring over central England at night.

Wind light from the Southward or South-Westward over the northern parts of the United Kingdom, but North-Easterly on our southern coasts, as well as over France and the north of Spain. Variable over the northern parts of Scandinavia; moderate to fresh from the Northward or North-Westward over Germany; Westerly over Austria; South-Easterly or Easterly over the central and southern parts of Russia. Variable in Italy; North-Westerly or Westerly over the extreme south of France and the central and southern parts of Spain. No important change occurring during day.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards in an anticyclone extending from the Atlantic over Ireland, England, the North Sea, and the north of France; 30.0 ins. and Atlantic over Ireland, England, the North Sea, and the north of France; 30.0 ins. and upwards in another system over central Russia. Lowest, 29.5 ins. and less in a large shallow depression lying over Poland, eastern Austria, and Turkey; 29.7 ins. and less in another system over the Gulf of Genoa. Anticyclone over north-western Europe subsequently increasing both in size and intensity. Depression over the eastern countries moving south-eastwards across the Black Sea.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week, when pressure remained high both over southern Europe and over northern Russia, two important depressions appeared in the neighbourhood of our Islands. The first of these, a very deep disturbance, with minimum readings below 28.2 ins., skirted our extreme northern coasts on the 11th, while the second, a well-defined subsidiary system, travelled north-eastwards across England on the night of the 12th, and after traversing the North Sea, moved northwards across Norway. The passage of the former depression occasioned very strong South-Westerly to Westerly gales on all our western and northern coasts, while the movement of the latter was attended by strong South-Westerly gales over the southern parts of England. After the 13th, the high-pressure system over southern Europe began to be intersected by a series of complex depressions which formed over Italy and Austria, and which occasioned heavy falls of rain or snow in those countries, as well as in the south of France. At the close of the week, however, these depressions were moving eastwards and filling up, while a large anticyclone was spreading from the Atlantic over western Europe. The weather in the latter region was, therefore, becoming much finer and quieter than for a long while past, with light South-Westerly winds on our northern coasts, but with Northerly or North-Easterly breezes over the south of our Islands, France, and the north of Spain.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 62.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	50.0	?	62	?	EASTBOURNE	33.8	?	42	?
OSWALDKIRK (Yorkshire)	50.6	?	63	?	MANCHESTER (Oldham Road)	25.3*	?	31*	?
WORKSOP	42.0	+20.7	52	+25	TENBY	43.5*	?	54*	?
THURCASTON (Leicestershire)	26.1	+16.3	45	+21	NEWQUAY	41.1	?	51	?
MARGATE	30.7	?	38	?	TORQUAY	45.1*	?	56*	?
WESTBOURNE (Sussex)	42.0*	?	52*	?	ARLEY COTTAGE (County Cavan)	20.8	?	26	?
BRIGHTON	39.1	?	48	?	GUERNSEY	38.0*	?	47*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 12.]
Third Series.

WEEK ENDING SATURDAY, 24TH MARCH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number.

TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90.

RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only.

BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90 only.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 68.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	29	54.0	38.4	46.0	6 above.	Day-deg. 43	Day-deg. +34	Day-deg. 10	Day-deg. -23	Day-deg. 94	Day-deg. +16	Day-deg. 402	Day-deg. + 3
	1. SCOTLAND, EAST	66	26	56.6	36.0	46.0	6 above.	53	+37	17	-17	123	+ 3	467	+ 23
	2. ENGLAND, N.E.	62	30	53.6	35.3	44.2	4 above.	44	+28	19	-12	173	+52	386	- 12
	3. ENGLAND, EAST.	63	24	52.0	34.3	42.9	1 above.	39	+18	22	-12	227	+89	412	- 38
	4. MIDLAND COUNTIES.	64	24	53.9	34.4	43.9	2 above.	45	+23	21	-12	217	+57	402	- 36
5. ENGLAND, SOUTH	60	27	51.9	37.3	44.4	2 above.	37	+15	13	-14	239	+63	292	- 51	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	61	30	53.9	40.0	46.7	6 above.	41	+27	6	-20	139	+16	296	- 23
	7. ENGLAND, N.W.	62	30	53.6	38.4	45.8	4 above.	42	+27	10	-17	200	+80	273	- 61
	8. ENGLAND, S.W.	60	25	53.0	38.2	45.4	2 above.	40	+19	11	-11	284	+81	223	- 34
	9. IRELAND, NORTH	65	28	53.9	39.9	46.7	4 above.	42	+22	6	-17	214	+31	299	+ 10
	10. IRELAND, SOUTH	61	32	53.7	40.3	46.8	3 above.	41	+16	5	-14	321	+63	202	- 22
	-CHANNEL ISLANDS	58	34	53.3	41.7	47.3	2 above.	38	+13	1	- 8	346	+75	94	- 4

DISTRICTS. (See p. 68.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	10ths of in. 2	10ths of ins. 7 less.	68	+ 7	21.1	+ 7.9	31	+ 5	37	+ 5	126	+ 4	22	+ 2
	1. SCOTLAND, EAST	0	—	5 less.	56	+ 9	11.0	+ 3.9	47	+27	55	+ 30	238	+74	36	+ 9
	2. ENGLAND, N.E.	1	less than 1	4 less.	50	+ 7	5.4	+ 0.3	39	+17	46	+ 19	246	+79	32	+11
	3. ENGLAND, EAST.	0	—	4 less.	47	+ 4	4.3	- 0.8	34	+ 6	41	+ 7	282	+80	35	+11
	4. MIDLAND COUNTIES.	0	—	4 less.	53	+12	5.8	- 0.2	28	+ 3	33	+ 4	241	+63	30	+ 9
	5. ENGLAND, SOUTH	0	—	4 less.	48	+ 7	6.4	+ 0.1	43	+11	51	+13	286	+69	32	+10
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	1	7 less.	64	+13	18.7	+ 5.3	29	+ 5	33	+ 4	201	+32	26	+ 6
	7. ENGLAND, N.W.	0	—	5 less.	55	+ 9	9.8	+ 2.4	32	+14	37	+17	192	+48	27	+ 7
	8. ENGLAND, S.W.	0	—	6 less.	56	+ 9	10.5	+ 0.6	47	+13	55	+16	280	+49	33	+ 8
	9. IRELAND, NORTH	0	—	6 less.	63	+ 9	12.3	+ 4.1	31	+ 9	36	+11	199	+28	26	+ 4
	10. IRELAND, SOUTH	0	—	6 less.	61	+12	10.9	+ 1.1	34	+ 5	40	+ 6	224	+ 8	28	+ 2
	-CHANNEL ISLANDS	0	—	5 less.	56	+ 3	7.8	- 0.4	55	+25	65	+29	314	+59	38	+ 6

* *Bright Sunshine.*—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was very fine and dry in all parts of the Kingdom, but thick haze or fog prevailed occasionally at our more southern and central stations, more especially during the nights and early mornings.

Temperature was high during the day-time and low at night, but the average for the week was above the normal in all districts; in Scotland the excess was as much as 6°, while elsewhere it ranged from 1° in England E., and 2° over all the southern and central parts of England, to 4° in England N.E. and N.W., as well as in Ireland N. The highest of the maxima were recorded during the latter part of the week, when they ranged from 66° in Scotland E., 65° in Scotland N. and Ireland N., and 64° in the Midland Counties, to 60° in England S. and S.W., and to 58° in the Channel Islands. The lowest of the minima were registered during the earlier days of the period in England and Ireland, but towards its close at some of the Scotch stations; the values ranged from 24° in England E. and the Midland Counties, and 25° in England S.W., to 32° in Ireland S., and 34° in the Channel Islands. Very sharp frost occurred on the grass almost every night.

Rainfall was entirely absent from Ireland and nearly the whole of England, the only districts where any fall occurred being Scotland N. and W. and England N.E., where some slight amounts were experienced during the first day or two.

Bright Sunshine was again very abundant and greatly exceeded the mean. The percentage of the possible duration ranged from 65 in the Channel Islands, 55 in Scotland E. and England S.W., to 36 in Ireland N., and 33 in the Midland Counties and Scotland W.

Barometer and Wind.—The distribution of pressure was anticyclonic throughout the period, the highest pressure area being situated at first in the south, and afterwards over the more central and eastern parts of our area. Very light winds consequently prevailed over the United Kingdom. They were chiefly Easterly to North-Easterly in the south, South-Easterly to Southerly in the west, and South-Westerly in the north.

II.—DATA from which the SUMMARY on page 67 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.	
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.									
								Below 42° F.									
Inches. Inches.																	
0. SCOTLAND, N.	Sumburgh Head	55	38	51.0	41.0	45.9	+ 7.2	32	3	2	0.07	-0.53	*	*	*	*	
	Stornoway	57	34	51.7	40.9	46.1	+ 6.2	33	3	2	0.08	-0.74	28.0	+ 4.6	33	+ 5	
	Wick	62	30	56.1	36.1	45.8	+ 5.9	51	17	1	0.02	-0.40	*	*	*	*	
	Lairg	64	26	57.2	31.4	44.0	+ 5.4	59	30	1	0.01	-0.63	*	*	*	*	
	Glencarron	65	33	53.9	39.3	46.4	+ 7.5	42	8	2	0.65	-0.74	*	*	*	*	
	Fort Augustus	64	29	55.7	39.4	47.3	+ 7.3	48	7	1	0.04	-0.57	31.5	?	37	?	
	Fort William	61	34	52.6	40.7	46.5	+ 5.6	37	4	2	0.23	-1.03	33.7	?	40	?	
1. SCOTLAND, E.	Nairn	64	30	56.4	36.6	46.2	+ 5.9	52	15	0	—	-0.38	*	*	*	*	
	Aberdeen	63	31	58.9	36.1	47.2	+ 7.3	61	17	1	0.02	-0.43	52.5	+26.1	62	+30	
	Braemar	60	26	53.2	33.8	43.2	+ 6.4	43	23	0	—	-0.55	53.8†	††	63†	††	
	Ochertyre	66	30	59.1	36.1	47.3	+ 7.5	62	17	0	—	-0.60	*	*	*	*	
	Leith	59	30	55.3	37.3	46.0	+ 4.4	48	13	0	—	-0.33	*	*	*	*	
	Marchmont	59	30	55.3	37.3	46.0	+ 4.4	48	13	0	—	-0.33	*	*	*	*	
2. ENGLAND, N.E.	Alnwick Castle	57	32	52.9	36.3	44.4	+ 4.6	41	16	0	—	-0.52	*	*	*	*	
	Durham	62	30	56.9	33.4	44.8	+ 4.5	56	24	2	0.09	-0.41	45.0	+20.0	53	+24	
	Shields	60	31	54.7	35.6	44.9	+ 4.0	47	18	1	0.02	-0.40	*	*	*	*	
	Scarborough	61	30	56.6	34.3	45.1	+ 3.5	54	22	0	0.01†	-0.39	36.0	+12.5	42	+14	
	Spurn Head	51	34	47.1	36.7	41.8	+ 1.0	14	21	0	—	-0.28	*	*	*	*	
3. ENGLAND, E.	Hillington	59	27	53.9	34.0	43.7	+ 1.9	46	22	0	0.01†	-0.36	30.2	+4.7	36	+ 6	
	Yarmouth	49	33	45.7	37.3	41.4	+ 1.1	10	18	0	0.01†	-0.39	*	*	*	*	
	Geldeston	56	24	51.1	33.5	42.0	- 0.1	25	24	0	0.01†	-0.32	37.0	+ 7.0	44	+ 9	
	Cambridge	63	28	56.7	32.4	44.2	+ 2.2	56	27	0	—	-0.32	33.7	+ 4.0	40	+ 7	
	Rothamsted	56	28	52.8	34.2	43.2	+ 1.8	41	22	0	0.01†	-0.38	35.4	?	42	?	
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	64	26	57.4	31.7	44.2	+ 2.6	59	29	0	—	-0.38	*	*	*	*	
	Loughborough	62	24	55.1	31.7	43.1	+ 0.7	51	29	0	—	-0.38	*	*	*	*	
	Stamford (Ketton Hall)	60	27	54.7	36.0	45.1	+ 2.7	47	17	0	0.01†	-0.37	*	*	*	*	
	Cheadle	58	32	51.7	36.7	44.0	+ 3.6	36	15	0	—	-0.48	*	*	*	*	
	Churchstoke	56	27	53.0	32.4	42.4	+ 1.8	43	27	1	0.02	-0.41	31.0	+ 5.1	36	+ 6	
	Hereford	57	27	53.1	31.9	43.7	+ 1.0	42	20	0	—	-0.38	*	*	*	*	
	Cirencester	55	25	52.3	35.6	43.7	+ 2.9	39	18	0	—	-0.47	34.7	+ 8.6	41	+10	
5. ENGLAND, S.	Oxford	57	31	54.0	36.0	44.7	+ 2.2	44	17	0	—	-0.38	29.0	+ 2.3	34	+ 2	
	London	58	28	52.6	35.1	43.6	+ 0.6	40	19	0	—	-0.35	22.2†	+ 1.4†	26†	+ 1†	
	North Foreland	49	34	47.0	39.3	43.0	+ 0.9	18	8	0	—	?	*	*	*	*	
	Strathfield Turgiss	56	27	53.5	33.6	43.3	+ 0.7	44	24	0	—	-0.34	*	*	*	*	
	Dungeness	52	29	48.9	37.6	43.1	+ 1.0	26	12	0	—	-0.42	*	*	*	*	
	Hastings (St. Leonards)	56	34	50.4	37.9	44.0	+ 0.4	21	11	0	—	-0.45	43.0	+10.3	51	+13	
	Southampton	60	30	57.0	37.4	46.9	+ 3.2	54	13	0	—	-0.44	51.3	+20.7	60	+24	
6. SCOTLAND, W.	Hurst Castle	55	34	52.4	40.6	46.3	+ 3.4	36	4	0	—	-0.40	*	*	*	*	
	Stowell	58	30	53.3	37.2	45.0	+ 3.0	41	13	0	—	?	*	*	*	*	
	Laudale (Loch Sunart)	61	42	57.1	43.2	49.9	+ 8.3	55	0	1	0.23	-1.23	*	*	*	*	
	Glasgow	59	36	53.3	40.4	46.7	+ 6.1	40	4	2	0.06	-0.48	16.2	- 3.0	19	- 4	
	Ardrossan	61	33	53.3	40.2	46.6	+ 4.9	39	5	2	0.04	-0.49	*	*	*	*	
	Glenlee	57	30	53.5	36.4	44.7	+ 5.1	42	16	0	—	-0.85	*	*	*	*	
	Douglas (Isle of Ma.)	55	34	52.1	39.5	45.6	+ 3.9	36	7	0	—	-0.64	41.2	+12.2	48	+13	
7. ENGLAND, N.W.	Stonyhurst	57	32	52.9	37.6	45.0	+ 4.2	39	12	0	—	-0.75	34.1	+11.0	40	+12	
	Blackpool	60	31	54.3	36.9	45.3	+ 3.9	45	14	0	—	-0.51	35.4	+12.8	42	+15	
	Manchester (Prestwich)	59	30	52.7	33.1	44.2	+ 2.7	40	17	1	0.02	-0.51	27.7	?	33	?	
	Liverpool Obsy. (Bilston)	58	34	53.6	38.4	45.8	+ 3.3	42	10	0	—	-0.39	*	*	*	*	
	Llandudno	62	38	54.8	41.7	48.1	+ 4.5	44	1	1	0.01	-0.43	41.7	+19.6	49	+23	
	Holyhead	58	37	53.3	39.7	46.3	+ 2.8	40	6	0	—	-0.50	*	*	*	*	
	Llandovery	60	25	56.3	34.4	45.0	+ 2.2	53	21	0	—	-0.78	*	*	*	*	
8. ENGLAND, S.W.	Pembroke	53	38	49.9	41.6	45.6	+ 2.5	27	1	0	—	-0.52	46.8	+15.6	55	+18	
	Bristol (Montpelier)	57	30	54.8	37.6	46.0	+ 3.0	46	12	0	—	?	*	*	*	*	
	Arlington (N. Devon)	56	29	53.0	36.7	44.6	+ 2.8	40	15	0	—	-0.76	*	*	*	*	
	Callumpton	60	28	55.3	36.2	45.5	+ 2.7	49	16	0	0.01†	-0.52	41.1	+12.4	48	+14	
	Palmouth	55	36	51.4	41.3	46.2	+ 1.5	32	2	0	—	-0.78	43.7	+12.7	51	+14	
	Plymouth	57	33	52.6	37.9	45.0	+ 0.5	38	11	0	—	-0.60	46.1	+14.6	54	+17	
	Prawle Point	57	37	50.4	40.1	45.1	+ 2.2	33	5	0	—	-0.45	*	*	*	*	
9. IRELAND, N.	Malin Head	59	40	53.3	42.7	47.8	+ 5.2	41	0	0	—	?	*	*	*	*	
	Londonderry	65	37	57.4	40.9	48.9	+ 6.1	53	3	0	—	-0.62	*	*	*	*	
	Edenfel (Omagh)	61	34	54.7	36.7	45.4	+ 3.8	46	15	0	—	-0.52	*	*	*	*	
	Behnullet	59	39	52.7	43.3	47.9	+ 2.8	41	0	0	—	?	*	*	*	*	
	Markree Castle	59	32	54.5	38.6	46.3	+ 4.1	44	10	0	—	-0.54	36.0	+11.3	42	+13	
	Brookeborough	60	33	54.3	39.6	46.7	+ 5.6	43	7	0	—	-0.62	*	*	*	*	
	Armagh	58	28	53.4	37.6	45.3	+ 3.9	42	12	0	—	-0.48	29.6	+ 7.4	35	+ 8	
10. IRELAND, S.	Donaghadee	54	35	51.0	39.7	45.2	+ 2.6	32	6	0	—	-0.46	*	*	*	*	
	Edgeworthstown	59	30	53.5	40.0	46.6	+ 5.4	41	6	0	—	-0.62	*	*	*	*	
	Dublin	58	32	53.8	39.1	46.2	+ 2.3	42	8	0	—	-0.48	45.0	+17.0	53	+20	
	Parsonstown	61	32	54.6	36.9	45.5	+ 2.9	46	14	0	—	-0.52	26.1	- 1.9	31	- 1	
	Kilkenny	58	32	54.0	36.9	45.2	+ 2.0	44	14	0	—	-0.48	*	*	*	*	
	Waterford	56	36	53.3	39.3	46.1	+ 1.9	40	8	0	—	-0.68	*	*	*	*	
	Roche's Point	53	39	50.7	42.6	46.5	+ 1.7	32	0	0	—	-0.80	*	*	*	*	
CHANNEL ISLANDS	Valencia	59	44	54.6	45.4	49.9	+ 4.1	55	0	1	0.01	-0.88	30.4	- 1.6	36	- 2	
	Killarney	57	36	54.4	42.5	48.3	+ 3.7	44	0	0	—	?	*	*	*	*	
	Foynes	60	35	53.9	39.9	46.7	+ 3.0	42	6	0	—	?	*	*	*	*	
	Scilly (St. Mary's)	54	42	51.9	44.0	47.8	+ 1.9	41	0	0	—	-0.53	43.3	?	51	?	
	Jersey	58	34	54.7	39.4	46.8	+ 1.6	45	7	0	—	-0.50	60.9	+25.1	72	+29	

Stations marked *St* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office Victoria Street. For additional Reports of Sunshine see last page.

† Wet Fog or Dew.

Sunday, 18th March.

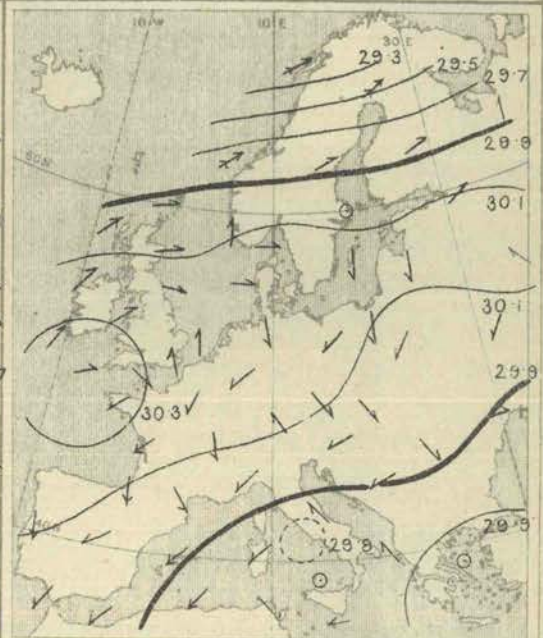
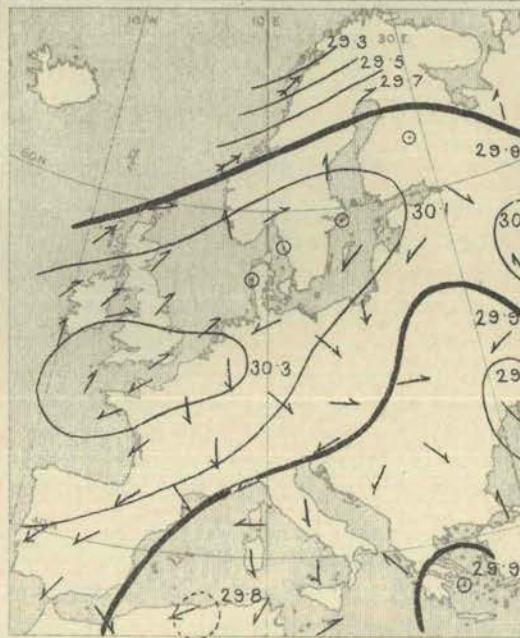
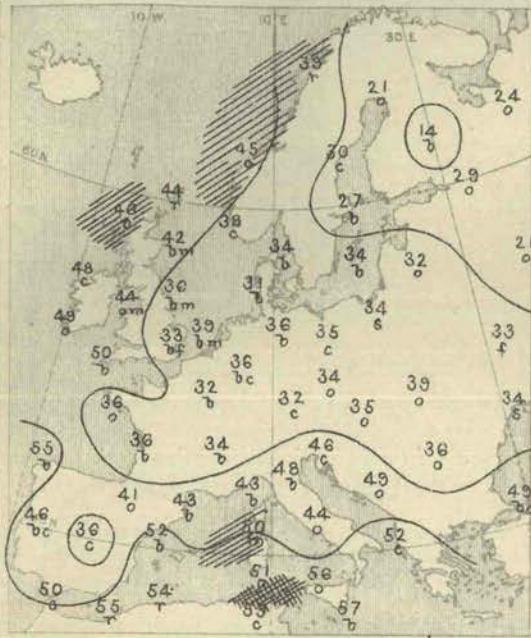
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather fine over the greater part of western and northern Europe, foggy at one or two of the English stations, dull on our extreme northern and north-western coasts, rain at Sumburgh Head and Bodø. Cloudy or overcast in most of the eastern and central countries, as well as in Italy, snow falling at Meniel, Vienna, and Odessa. Showers during day at some of our own northern stations, heavy rain at Christiansund, lunar halos over the south of England in evening. Considerable rain on Algerian coast, snow at Kharkov. [The Newspapers report the occurrence of severe snowstorms in Bohemia.]

Temperature risen in most parts of our Islands and Scandinavia and in Italy; fallen in most other countries. Morning readings highest, 59° at La Calle, 57° at Palermo; above 50° at most of the Mediterranean stations, and just touching that point at Scilly. Lowest, 14° at Kuopio, 16° at Uleaborg, 21° at Haparanda and Moscow, below the freezing point at most of the Russian, Swedish, and inland English stations. Maxima exceeding 55° in many northern and central parts of Great Britain, and reaching 63° at Aberdeen. Sharp frost occurring over central England at night.

Wind Southerly or South-Westerly over our Islands and Scandinavia; light in force generally, but strong in the Hebrides, and blowing a gale in the west of Norway—moderate from the Northward over Germany and the Baltic, and from the North-Eastward in France and Spain. Variable in the south of Italy; cyclonic circulation of light breezes reported over the south of Russia. No important change occurring over western Europe during day.

Barometer highest, 30.3 ins. and upwards in an anticyclone covering the southern parts of our Islands, with the Netherlands and the north of France; 30.1 ins. and upwards in another system over central Russia. Lowest, 29.4 ins. and less in a depression off the coasts of Finnmark; 29.8 ins. and less in two shallow systems lying respectively off the west of Italy and over Algeria. No important change occurring during day.

Monday, 19th March.

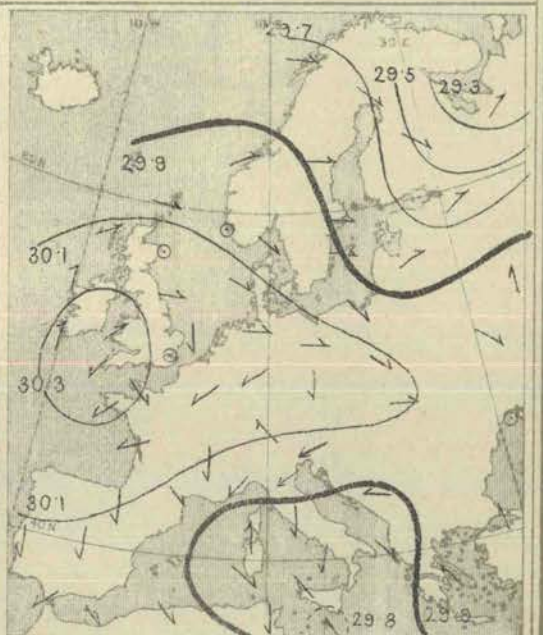
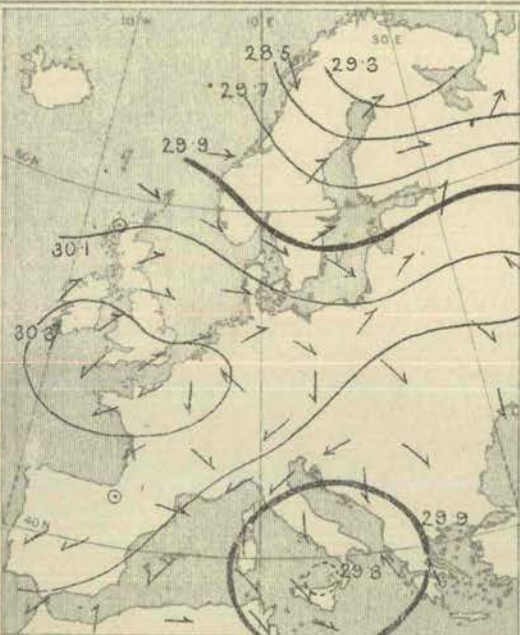
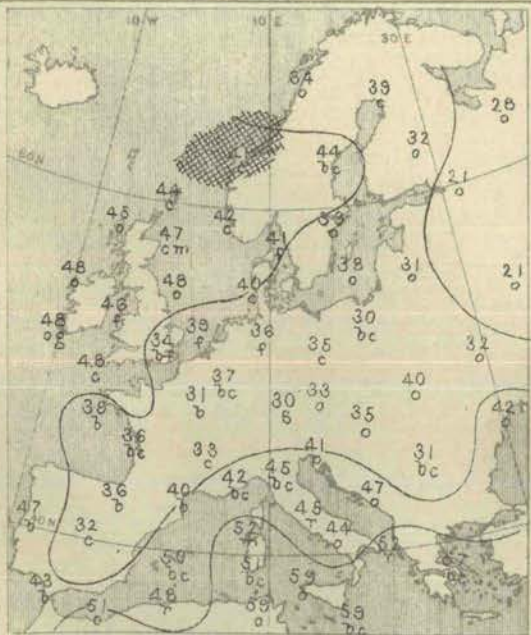
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather in morning very quiet over the British Islands and western Europe generally, clear and bright over France, dull and hazy, or foggy, over the greater part of the British Islands, dull and unsettled over northern Europe. Snow falling at Breslau, cloudy and unsettled weather over the Mediterranean, with rain in several of the southern parts of Italy and at Algiers. Rain later in the west of Norway, and very slight falls at Sumburgh Head and Ardrossan; considerable quantities in the south of Italy and some parts of Algeria.

Temperature highest, 59° to 50° over the southern side of the Mediterranean, 50° to 45° in Scotland, 48° to 45° on the western coasts of the British Islands. Lowest, 21° to 23° over the north of Russia; 29° at Kharkov, 30° to 35° over south Germany, 31° at Paris, 34° in London. Rising later to 68° in the south of Italy, 61° at San Fernando, 60° in the north-east of England, and to 50° or more at most of our own and the French stations, but failing to reach 50° over Germany.

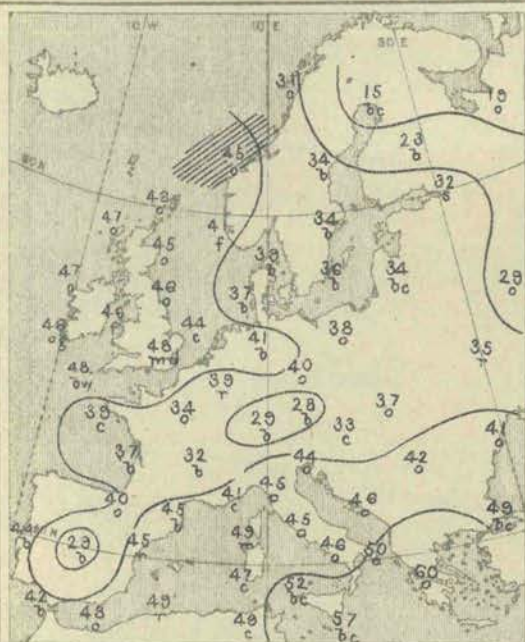
Wind (1) very light and anticyclonic over the British Islands, the North Sea, the north of France, and north Germany; (2) South-Westerly to North-Westerly, moderate to strong, over northern Europe; (3) North-Easterly, moderate, over southern Europe; North-Westerly over the southern parts of the Mediterranean—little change later beyond becoming very variable over England.

Barometer highest, 30.3 ins. and more to 30.1 ins. in an anticyclone of rather irregular form covering the whole of the British Islands and their neighbourhood. Lowest, (1) 29.3 ins. and less over Lapland and the White Sea; (2) 29.9 ins. and less over Italy, the southern half of the Adriatic, Sicily, Tunis, and Sardinia. Not changing much over western Europe or the United Kingdom later.

Tuesday, 20th March.

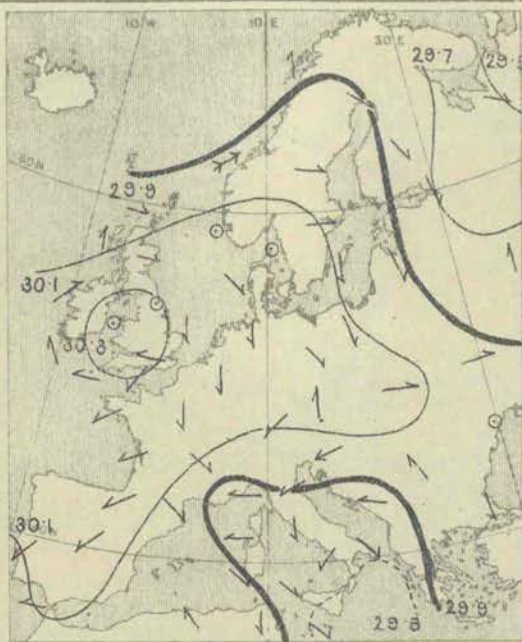
Temperature and Weather.

8 a.m.

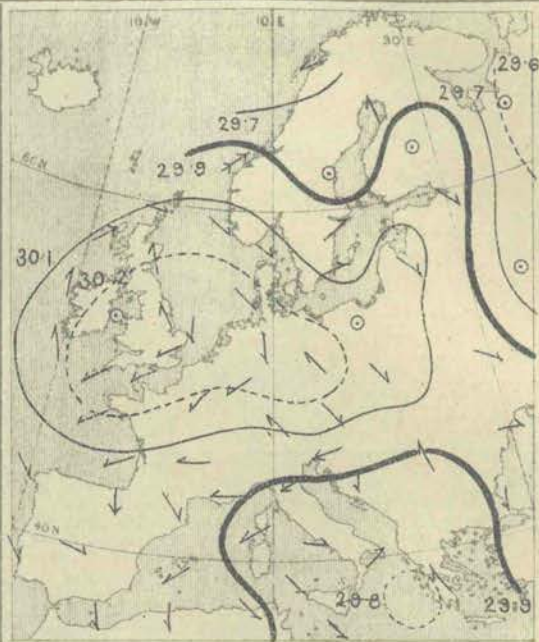


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright in many parts of Spain, France, and south Germany, as well as in Sweden, Denmark, and Finland; cloudy and dull over the greater part of the United Kingdom and north of France, with slight drizzle at some of our south-eastern stations and at Brussels. Heavy rain later in the west of Norway, and a smaller quantity in Lapland and also in the south of Italy; very slight drizzle in the south-west of England also.

Temperature risen decidedly over the south-eastern parts of England and the north-east of France, fallen decidedly over northern Europe. Morning readings highest, 58° to 60° over Greece, 57° at Malta, and above 50° in Sicily and the south of Italy; 45° to 44° over the British Islands generally, and 45° at Christiansund. Lowest, (1) 15° at Haparanda, 19° at Archangel, 29° at Helsingfors and Moscow; (2) 28° at Prague, 29° at Munich (and also at Madrid), 34° at Paris. Rising later to between 55° and 57° over the inland parts of England, to 57° in the west of France, 59° at Lisbon, 61° in the south of Italy, and 70° at Siâx.

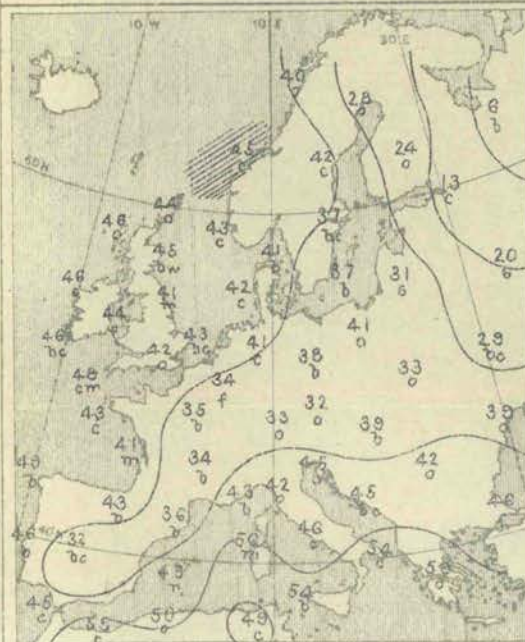
Wind light and anticyclonic over the British Islands and their neighbourhood; Westerly to Southerly in the Shetland Islands and Norway (a gale at Christiansund); Westerly in Sweden. Northerly over Finland and the Baltic Provinces, North-Easterly over southern Europe, Easterly over the Bay of Biscay; North-Westerly at Malta, Palermo, and Cagliari. The North-Easterly wind becoming rather more decided in the south of England later.

Barometer highest, 30.3 ins. and more to 30.1 ins. in an anticyclone covering the British Islands, Spain, France, Germany, Denmark, and the North Sea. Lowest, about 29.5 ins. in the north-east of Russia; below 29.8 ins. over the south-eastern part of the Mediterranean. Falling later—slightly over Ireland and England, more decidedly over France and Spain, but rising in Scandinavia.

Wednesday, 21st March.

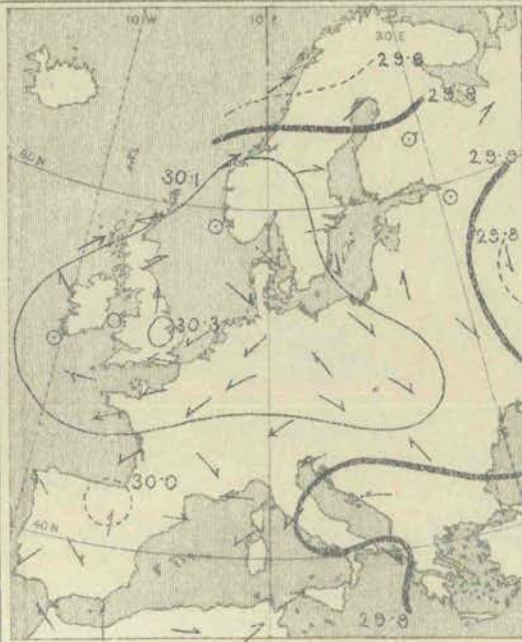
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of our Islands and the Continent, but dull at many of the English stations, with fog or mist in the north and central districts. Dull in Russia, with snow at Riga and Moscow. Sky clearing later in most parts of England, but rain falling in the west of Norway and at several stations in the north of Italy and over Algeria.

Temperature fallen a little over our Islands and the Netherlands, risen in most other countries. Morning readings highest, 53° at Oran, 54° at Brindisi and Palermo, and 52° at Oporto, above 45° over southern Europe generally, and also in the west of our Islands. Lowest, 6° at Archangel, 13° at St. Petersburg, 20° at Moscow, and 24° at Knopio, below the freezing point at most of the Russian stations; as low as 32° at Madrid, 34° at Brussels and Lyons, and 35° at Paris. Rising later to 55° or more in several parts of our Islands and France, and to 62° at Aberdeen; touching 51° in the south of Italy and on the Algerian coast.

Wind light to moderate from the Eastward or North-Eastward over France, Spain, the Netherlands, and the south of England; South-Easterly in Ireland; South-Westerly in Scotland and the west of Norway, and strong in force at Stornoway and Christiansund. Light from the Northward over Austria and the south of Russia, variable in Italy and Algeria. No important change occurring over western Europe during day.

Barometer highest, 30.1 ins. to 30.3 ins. in a large anticyclone covering the greater part of western and central Europe. Lowest, 29.8 ins. and less in a shallow depression over the north of Scandinavia, and also in another system over central Russia. No important change occurring later.

Thursday, 22nd March.

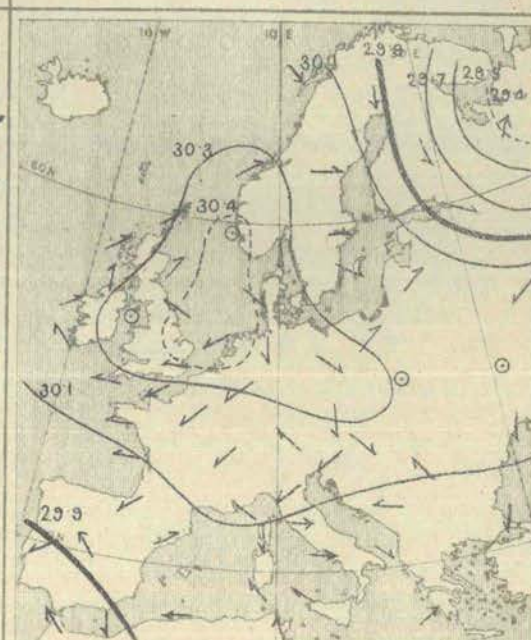
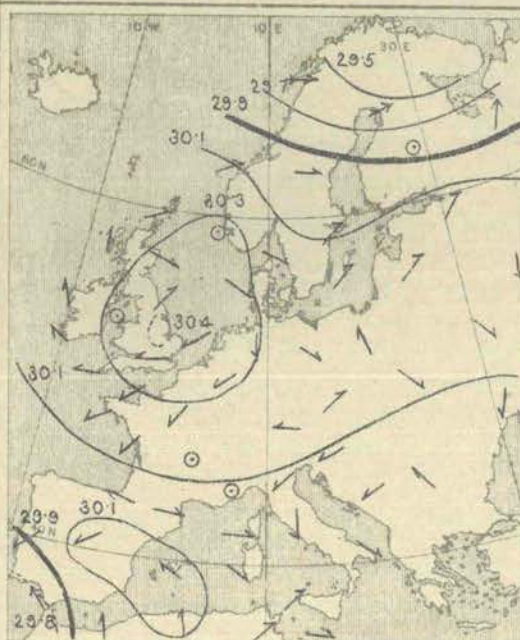
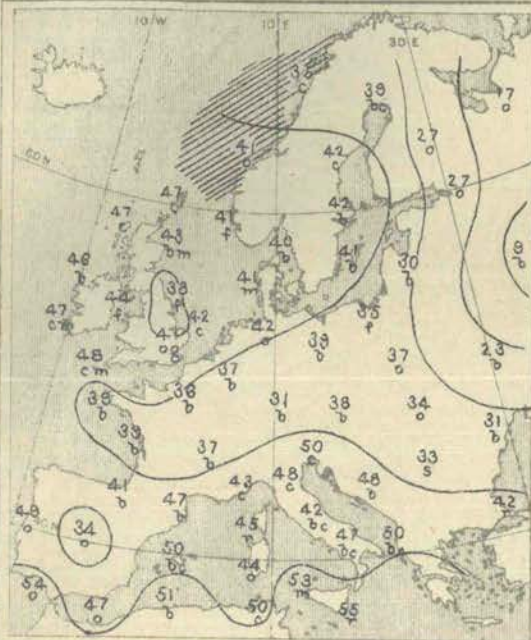
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning very quiet over all the southern, western, and eastern countries, clear and bright in most places, but dull, foggy, or hazy in many parts of England and north Germany; snow falling at Hermanstadt, rain at Bodd, and sky overcast over Algeria and the south of Spain. Rain falling later in the two last-named regions and at Sanguinaire, as well as at Christiansund; weather fine generally elsewhere.

Temperature changing somewhat irregularly over western Europe, fallen decidedly over Russia. Morning readings exceeding 50° at some of the extreme southern stations, and exceeding 45° on the extreme south-western and western coasts of the British Islands, as well as at Stornoway and Sumburgh Head. Lowest, (1) 9° at Moscow, 17° at Archangel, 27° at St. Petersburg and Kuopio; (2) 31° at Munich, 36° over central France; (3) 38° to 39° over the midland and north-eastern counties of England. Touching 53° to 60° in the east of Scotland later, 63° at Paris and Biarritz, 66° at Rochefort, 70° at Sfax.

Wind strong to a gale from the Westward over Lapland, and from South-East in the south of Spain; light to moderate in force, anticyclonic in direction elsewhere, viz.: North-Easterly to Easterly over the more southern countries, South-Easterly in Ireland, Southerly to South-Westerly in Scotland, North-Westerly over Germany. Strong South-Easterly at the Spanish stations generally later, freshening from the Eastward in the English Channel.

Barometer highest, 30.4 ins. and more to 30.2 ins. in a large anticyclone situated over the British Islands and their neighbourhood, and extending as a ridge over north Germany, the Baltic, and western Russia. Lowest, 29.5 ins. and less in a depression over Lapland; 29.8 ins. and less in another lying to the westward of the Straits of Gibraltar. Gradients steep in the north and extreme south-west only. Falling in the Azores all day, rising over western and northern Europe.

Friday, 23rd March.

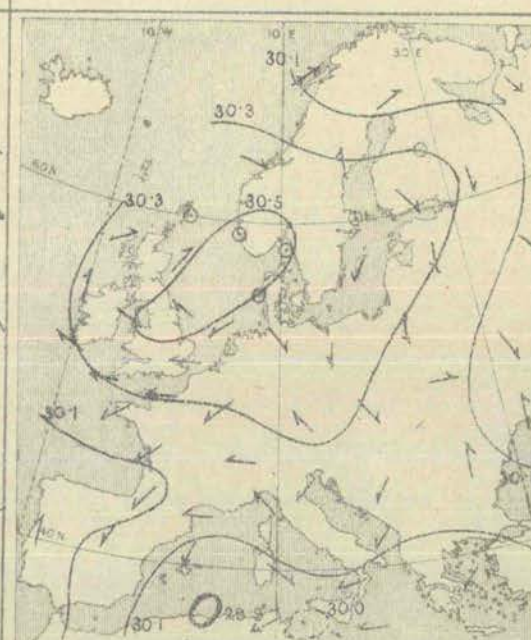
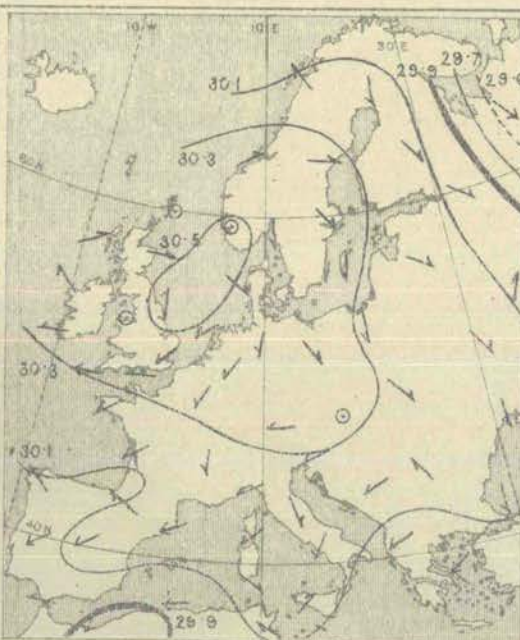
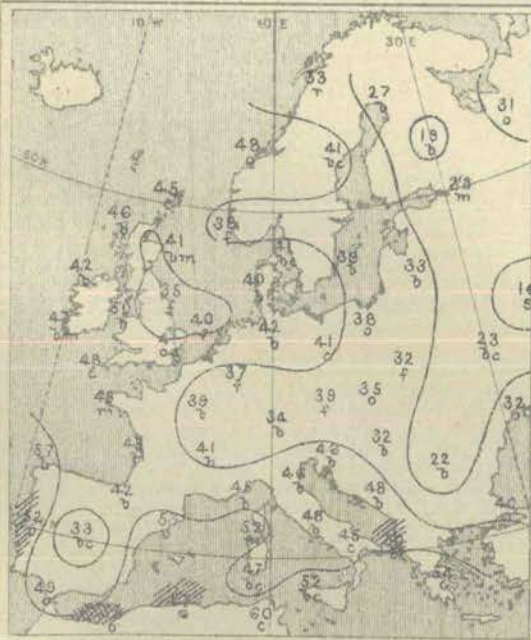
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning quiet and dry over nearly the whole of Europe, clear and bright in most places, but foggy and dull over the greater part of England and the Netherlands; cloudy over Russia and the Black Sea, snow falling at Moscow. Some rain over Lapland later, and a very little in the Hebrides, a heavy fall in the Madeiras and over Algeria, and slight snow in parts of Russia; condition very fine elsewhere.

Temperatures fallen over Scotland and the north-east of England, as well as over Poland, Hungary and Austria, rain over Algeria. Morning readings highest, 50° and more over the southern parts of the Mediterranean and on the coast of Spain and Portugal, 48° to 45° on our own south-western coasts, 46° at Stornoway, 48° at Christiansund. Lowest, (1) 16° to 22° over central Russia, 18° at Kuopio, 27° at Haparanda; (2) 30° to 32° over the north midland counties of England. Rising later to 60° and more over the north-eastern parts of Great Britain, to 58° at Cambridge, 60° and more over many parts of France and Italy, to 70° at Rochefort, and 72° at Laghouat.

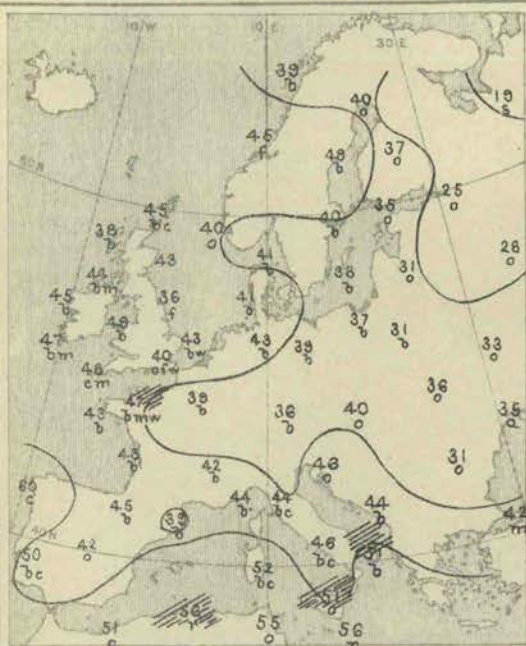
Wind light to fresh in force, and anticyclonic in direction; North-Easterly to Easterly over the southern countries and the English Channel, South-Easterly in Ireland, South-Westerly in the Hebrides South-Westerly to North-Westerly over northern Europe, Southerly over the Baltic. Blowing freshly from the Eastward over the English Channel all day, and from South-West at Christiansund; little change on the whole elsewhere.

Barometer highest, 30.5 ins. and more over the northern and north-eastern counties of England, and exceeding 30.2 ins. over all the north-western countries of Europe. Lowest, (1) 29.5 ins. and less over the north-east of Russia on the one hand and the Azores on the other; (2) below 29.9 ins. over Algeria; (3) apparently below 29.5 ins. over the Faro Isles, falling slightly over France, the south of our Islands and the Azores later, rising in the north.

Saturday, 24th March.

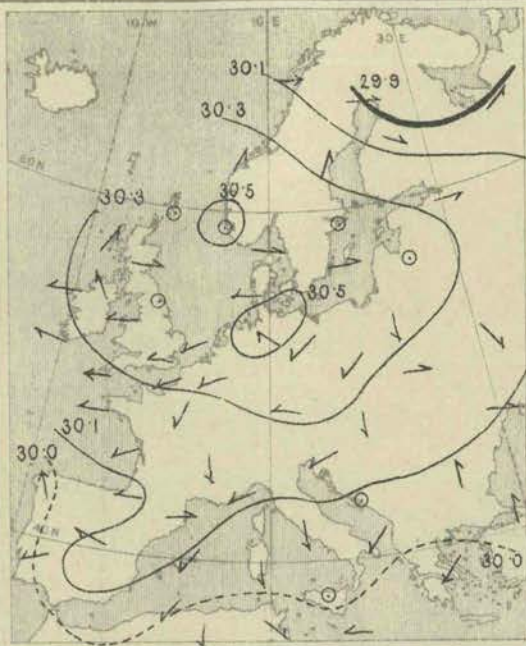
Temperature and Weather.

8 a.m.

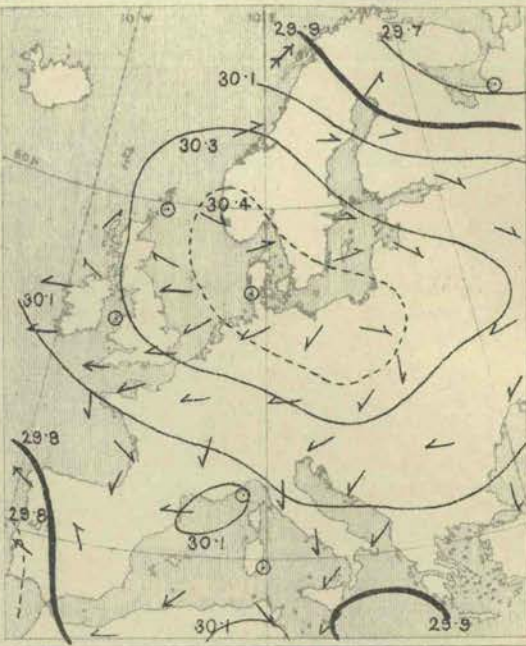


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull over the Black Sea and Russia, with snow in the far north; fine over all the more western countries of Europe, but with wet fog or haze in several parts of the British Islands and at Christiansund, rain at Lisbon and also in the Azores. About 0.2 in. of rain falling at the last-named stations and at Bodö later, none reported elsewhere.

Temperature little changed, but diurnal range considerable over the western and north-western countries. Morning readings highest, 50° and more on the southern sides of the Mediterranean and on the coasts of the Peninsula, 48° at Scilly, 47° at Jersey and Valencia (Ireland), 45° at Sumburgh Head and Christiansund; lowest, (1) 19° at Archangel, 25° to 28° at the inland Russian stations; (2) 35° to 39° over the north-eastern and inland parts of England. Rising later to between 55° and 63° over England, to upwards of 60° over southern Europe generally, and to 66° in the south-west and south of France.

Wind light to moderate, Northerly to Easterly over the central and southern countries; Easterly, fresh, over the English Channel, South-Easterly in Ireland, South-Westerly and calm in Scotland. South-Westerly to Westerly over the northern parts of Scandinavia, and blowing strongly at Bodö. No decided change later beyond a freshening from South-East at Lisbon, and an increase to the force of a gale at Bodö.

Barometer highest, 30.5 ins. and more to 30.2 ins. in a complex anticyclone over Germany, the North Sea, and all neighbouring countries. Lowest, (1) 29.9 ins. and less over Lapland, the Kola Peninsula, and White Sea; (2) 30.0 ins. and less over Portugal and Algeria, and as low as 29.36 ins. in the Azores; (3) below 30.0 ins. at Malta and the south-eastern parts of the Mediterranean. Falling slowly over western and northern Europe all day, but relative distribution of pressure scarcely changing. A new depression appearing, however, near Malta.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\circ$ = detached clouds; $\bullet$ = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 5 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the past week anticyclonic conditions were prevalent over our Islands and the more central parts of the Continent, the weather being fine and warm in the day-time, but cold at night, with fogs in the inland districts. At the beginning of the period the central area of the high-pressure system lay over the south-western parts of the United Kingdom, and South-Westerly winds were, therefore, general in most of the north-western countries, while North-Easterly breezes were reported in France and Spain. On the 20th and 21st, however, the anticyclone moved slowly in an east-north-easterly direction to Denmark and Germany, so that Easterly winds gradually spread to all but the extreme northern parts of our Islands.

In the northern countries, where the conditions were influenced by a series of depressions moving eastwards across the northern parts of Scandinavia and Russia, the weather was cloudy and unsettled, with occasional falls of snow; while in Algeria and the southern parts of Spain and Italy, where shallow low-pressure systems were observed at the commencement of the week, some copious rains were experienced.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 68.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	33.7	?	40	?	EASTBOURNE	45.3	?	53	?
OSWALDKIRK (Yorkshire)	35.7	?	42	?	MANCHESTER (Oldham Road)	19.7*	?	23*	?
WORKSOP	25.2	+1.4	30	+2	TENBY	52.0*	?	61*	?
THURCASTON (Leicestershire)	20.1	-0.9	24	-1	NEWQUAY	58.7	?	69	?
MARGATE	20.0	?	43	?	TORQUAY	39.2*	?	46*	?
WESTBOURNE (Sussex)	21.1	?	68*	?	ARLEY COTTAGE (County Cavan)	26.6	?	31	?
BRIGHTON	47.8	?	50	?	GUERNSEY	61.6*	?	72*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

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VOL. XI. No. 13.]
Third Series.

WEEK ENDING SATURDAY, 31ST MARCH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90 only. A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 74.)		Temperature of the Air.													
		Observed during the Week.					Accumulated.								
		Highest.	Lowest.	Averages of			Above or below the Mean for the Week.	For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	64	26	56.7	35.3	45.9	6 above.	Day-deg. 54	Day-deg. +42	Day-deg. 18	Day-deg. -13	Day-deg. 148	Day-deg. +58	Day-deg. 420	Day-deg. -10
	1. SCOTLAND, EAST	66	24	56.9	32.5	44.3	4 above.	56	+37	27	-5	180*	+41	493*	+22
	2. ENGLAND, N.E.	57	28	55.2	34.1	44.4	3 above.	50	+32	22	-7	222*	+83	407*	-20
	3. ENGLAND, EAST.	70	25	58.4	33.2	45.5	3 above.	61	+36	25	-7	288	+125	437	-45
	4. MIDLAND COUNTIES.	69	22	62.1	32.5	46.9	4 above.	74	+48	27	-5	291	+105	429	-41
5. ENGLAND, SOUTH	66	28	59.0	39.2	48.8	5 above.	59	+34	8	-17	298	+97	300	-68	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	65	28	58.7	36.9	47.6	6 above.	61	+45	14	-9	200	+61	310	-37
	7. ENGLAND, N.W.	72	31	61.6	38.7	49.3	7 above.	68	+51	9	-15	208	+131	282	-76
	8. ENGLAND, S.W.	68	30	58.9	40.1	49.2	5 above.	58	+36	5	-14	342	+117	228	-48
	9. IRELAND, NORTH	69	30	60.3	38.2	48.2	6 above.	64	+41	11	-9	278	+72	311	+2
	10. IRELAND, SOUTH	66	32	59.5	39.8	49.4	5 above.	61	+34	6	-11	382	+97	208	-33
	-CHANNEL ISLANDS.	66	42	58.1	45.3	51.5	5 above.	67	+40	0	-7	413	+115	94	-11

DISTRICTS. (See p. 74.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.					For the Week.				From December 31st, 1893.			
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	0	10ths of in. less than ½	10ths of ins. 7 less.	68	+2	Ins. 21.1	+7.1	53	+26	60	+29	179	+31	26	+5	
	1. SCOTLAND, EAST	0	—	5 less.	56	+6	11.0	+3.4	55	+17	61	+18	292*	+91	38	+11	
	2. ENGLAND, N.E.	1	less than ½	4 less.	51	+5	5.4	-0.2	56	+30	63	+34	302	+109	35	+13	
	3. ENGLAND, EAST.	0	—	4 less.	47	+1	4.3	-1.2	63	+32	71	+33	345	+111	38	+13	
	4. MIDLAND COUNTIES.	1	less than ½	4 less.	54	+10	5.8	-0.6	62	+36	71	+41	303	+99	34	+12	
5. ENGLAND, SOUTH	1	less than ½	4 less.	49	+5	6.4	-0.3	68	+38	77	+42	354	+107	37	+14		
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	0	—	8 less.	64	+9	18.7	+4.6	61	+34	70	+39	262	+66	30	+9	
	7. ENGLAND, N.W.	1	less than ½	5 less.	56	+6	9.8	+1.9	59	+36	68	+42	251	+85	31	+10	
	8. ENGLAND, S.W.	0	—	6 less.	56	+5	10.5	0.0	71	+37	81	+42	351	+86	37	+11	
	9. IRELAND, NORTH	1	1	5 less.	64	+8	12.4	+3.7	65	+44	74	+49	264	+72	31	+9	
	10. IRELAND, SOUTH	0	—	6 less.	61	+7	10.9	+0.4	69	+37	79	+43	293	+46	33	+6	
	-CHANNEL ISLANDS	0	—	5 less.	56	-1	7.8	-0.9	70	+36	80	+40	334	+94	44	+12	

* Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued very fine and dry generally, but haze or fog was again prevalent during the nights and early mornings. Brilliant aurora was observed in all districts during the night of the 30th.

Temperature was again above the mean, the excess ranging from 3° in England N.E. and E., to 6° in Scotland N. and W. and Ireland N., and to 7° in England N.W. The highest of the maxima occurred, as a rule, on the 30th, when the thermometer rose to between 66° and 72° over England, 66° and 69° in Ireland, and between 64° and 66° in Scotland. The lowest of the minima were registered during the earlier or middle part of the week, and ranged from 22° in the Midland Counties, 24° in Scotland E., and 25° in England E., to 32° in Ireland S., and to 42° in the Channel Islands. The diurnal range of temperature was very large, especially at the inland stations.

Rainfall was again entirely absent from the greater part of the Kingdom, but towards the end of the period some slight showers were experienced in places.

Bright Sunshine was exceedingly abundant in all districts, the percentage of the possible duration ranging from 60 in Scotland N., to 77 in England S., 79 in Ireland S., 80 in the Channel Islands, and 81 in England S.W.

Barometer and Wind.—The distribution of pressure continued anticyclonic until the period drew towards its close, when a very shallow disturbance spread over our Islands from the westward. The winds were very light in force in all parts of the Kingdom, in direction they were chiefly Easterly in the east, south, and south-west, and Southerly or South-Westerly in the north-west and north.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	53	39	50.3	40.3	45.2	+6.1	30	5	0	—	—	—	—	—
	Stornoway	57	32	53.7	36.1	44.6	+4.2	43	17	2	0.03	—0.55	52.3	+26.4	59
	Wick	60	33	54.0	37.4	45.5	+4.9	44	13	1	0.05	—0.35	—	—	—
	Lairg	64	26	61.9	27.0	44.0	+4.5	77	42	0	—	—0.59	—	—	—
	Glencarron	64	30	60.7	35.6	47.8	+7.8	67	18	0	—	—1.30	—	—	—
	Fort Augustus	62	30	57.3	34.2	45.6	+4.8	58	22	0	—	—0.54	48.1	?	54
1. SCOTLAND, E.	Fort William	63	34	59.1	38.3	48.4	+6.5	60	10	0	—	—1.10	59.2	?	67
	Nairn	63	28	56.7	31.7	43.8	+2.7	56	29	0	—	—0.37	—	—	—
	Aberdeen	61	33	52.0	35.1	43.3	+2.6	38	19	0	—	—0.50	45.0	+16.7	51
	Braemar	61	24	57.2	29.1	42.7	+5.0	59	36	0	—	—0.55	64.2†	?	72†
	Ochertyre	64	28	60.1	31.7	45.5	+4.7	68	29	0	—	—0.58	—	—	—
	Leith	66	29	54.6	32.7	43.3	+0.8	48	26	1	0.01	—0.34	—	—	—
2. ENGLAND, N.E.	Marchmont	64	30	60.5	34.6	47.2	+7.0	67	21	0	—	—0.57	50.0	?	66
	Alnwick Castle	61	29	53.0	33.7	43.1	+2.7	43	23	1	0.02	—0.50	—	—	—
	Durham	64	28	59.7	32.0	45.4	+4.3	66	23	1	0.04	—0.49	58.9	+33.1	67
	Shields	62	33	53.4	34.6	43.7	+2.2	43	21	0	—	—0.43	—	—	—
	Scarborough	63	30	55.2	35.2	44.9	+2.9	49	19	0	—	—0.48	—	—	—
	York	67	28	61.7	31.7	46.3	+3.8	73	29	1	0.01	—0.38	51.6	+26.6	59
3. ENGLAND, E.	Spurn Head	54	35	48.0	37.6	42.7	+1.1	23	12	1	0.01	—0.29	—	—	—
	Hillington	65	27	61.3	34.5	47.5	+4.9	70	21	0	—	—0.38	61.9	+24.7	70
	Yarmouth	53	35	47.9	37.7	42.7	+1.4	23	12	0	0.01†	—0.39	—	—	—
	Geldeston	67	25	56.3	30.5	43.0	0.0	55	32	0	—	—0.32	57.3	+24.8	65
	Cambridge	70	26	66.0	30.4	47.7	+4.7	89	32	0	—	—0.34	65.5	+34.2	74
	Rothamsted	64	28	60.7	32.9	46.4	+4.1	69	25	1	0.02	—0.38	67.3	?	76
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	69	25	63.4	30.7	46.6	+4.0	80	32	0	—	—0.36	—	—	—
	Loughborough	68	25	64.0	28.4	45.7	+2.5	83	38	1	0.01	—0.39	—	—	—
	Stamford (Ketton Hall)	66	22	62.3	29.4	45.4	+2.4	77	35	0	—	—0.41	—	—	—
	Cheadle	65	34	60.1	37.3	48.4	+7.1	65	13	1	0.13	—0.35	—	—	—
	Churchstoke	65	29	61.7	31.2	46.0	+4.6	73	30	1	0.03	—0.39	67.8	+40.3	77
	Hereford	65	29	61.9	32.6	46.8	+3.3	73	26	0	—	—0.40	—	—	—
5. ENGLAND, S.	Cirencester	63	28	60.9	35.9	48.0	+6.2	68	17	2	0.09	—0.39	67.7	+39.9	77
	Oxford	65	30	62.6	34.6	48.2	+4.7	74	21	2	0.04	—0.35	64.1	+35.3	73
	London	66	34	62.6	37.1	49.5	+5.2	73	14	0	—	—0.38	57.6†	+34.4†	65†
	North Foreland	63	35	53.3	41.4	47.2	+4.6	39	2	0	—	?	—	—	—
	Strathfield Turgiss	64	28	62.6	31.8	46.7	+3.2	76	29	2	0.04	—0.31	—	—	—
	Dungeness	59	34	54.4	42.1	48.1	+5.3	43	0	0	—	—0.44	—	—	—
6. SCOTLAND, W.	Hastings (St. Leonards)	61	40	58.6	43.6	50.9	+6.4	62	0	0	—	—0.47	76.0	+41.3	86
	Southampton	64	35	62.5	38.0	49.9	+5.2	72	11	1	0.09	—0.36	71.4	+38.2	81
	Hurst Castle	60	40	57.4	42.9	49.9	+6.2	35	0	1	0.10	—0.28	—	—	—
	Stowell	64	31	60.5	36.3	48.0	+5.1	66	16	1	0.05	?	—	—	—
	Laudale (Loch Sunart)	63	37	59.7	40.8	50.0	+7.6	61	3	0	—	—1.31	—	—	—
	Glasgow	61	36	57.5	37.6	47.3	+6.0	56	12	0	—	—0.54	48.6	+27.1	55
7. ENGLAND, N.W.	Ardrossan	60	37	58.7	40.0	49.1	+6.7	58	6	0	—	—0.52	—	—	—
	Glenlee	65	28	61.5	29.2	45.0	+4.7	75	36	0	—	—0.82	—	—	—
	Douglas (Isle of Man)	60	32	56.3	37.0	46.4	+3.9	62	14	0	—	—0.62	73.8	+41.8	84
	Stonyhurst	62	33	58.4	36.7	47.2	+5.4	59	15	1	0.01	—0.69	54.5	+29.5	62
	Blackpool	66	32	62.5	35.4	48.6	+6.5	74	13	0	—	—0.49	62.1	+37.0	71
	Manchester (Prestwich)	72	31	63.3	35.8	49.1	+6.8	76	17	2	0.12	—0.40	59.7	?	68
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	65	35	61.9	38.7	50.0	+6.6	70	9	0	—	—0.38	—	—	—
	Llandudno	68	39	63.4	43.5	53.2	+8.7	78	0	0	—	—0.44	66.8	+42.8	76
	Holyhead	67	41	60.3	42.1	50.9	+6.8	62	0	0	—	—0.48	—	—	—
	Llandoverly	68	30	65.4	35.0	49.8	+6.4	84	20	0	—	—0.74	—	—	—
	Pembroke	57	41	54.0	43.1	48.4	+4.6	45	0	0	—	—0.50	72.2	+38.4	82
	Bristol (Montpelier)	66	34	63.3	37.3	49.9	+6.4	75	13	1	0.02	?	—	—	—
9. IRELAND, N.	Arlington (N. Devon)	64	38	61.3	40.1	50.4	+7.8	67	5	1	0.18	—0.52	—	—	—
	Cullompton	65	30	61.4	34.7	47.7	+4.1	71	20	1	0.03	—0.50	76.7	+46.3	87
	Falmouth	54	41	52.5	44.6	48.4	+3.3	45	0	0	—	—0.74	63.7	+30.0	72
	Plymouth	63	40	57.9	42.6	50.0	+4.8	56	0	0	—	—0.58	69.1	+36.3	79
	Prawle Point	59	42	55.1	43.3	49.0	+5.4	49	0	0	—	—0.48	—	—	—
	Malin Head	62	43	57.3	44.9	50.9	+7.8	62	0	0	—	?	—	—	—
10. IRELAND, S.	Londonderry	69	37	65.2	28.7	51.6	+7.9	81	9	1	0.09	—0.49	—	—	—
	Edenfel (Omagh)	64	32	61.6	35.0	47.9	+5.8	71	20	0	—	—0.52	—	—	—
	Belmullet	64	40	59.9	43.7	51.6	+5.7	67	0	1	0.01	?	—	—	—
	Markree Castle	65	30	62.2	34.0	47.7	+4.8	74	22	0	—	—0.53	68.9	+41.7	78
	Brookeborough	65	32	62.0	34.8	48.0	+6.2	72	20	0	—	—0.61	—	—	—
	Armagh	63	31	59.8	34.9	47.0	+5.0	65	20	0	—	—0.48	70.2	+46.0	80
CHANNEL ISLANDS	Donaghadee	61	42	54.1	43.1	48.4	+5.2	45	0	0	—	—0.44	—	—	—
	Edgeworthstown	64	31	60.8	31.5	47.3	+5.5	69	21	1	0.39	—0.31	—	—	—
	Dublin	64	37	58.6	39.1	48.6	+4.0	58	8	0	—	—0.48	72.0	+41.5	82
	Parsonstown	66	32	62.1	35.6	48.5	+5.1	72	18	0	—	—0.52	68.9	+38.7	78
	Kilkenny	63	33	60.4	35.6	47.6	+3.6	66	18	1	0.02	—0.47	—	—	—
	Waterford	59	34	56.7	37.6	46.9	+2.1	53	12	0	—	—0.65	—	—	—
CHANNEL ISLANDS	Roche's Point	57	41	54.7	43.7	49.0	+3.6	49	0	0	—	—0.78	—	—	—
	Valencia	64	41	61.1	46.0	53.3	+7.2	79	0	0	—	—0.87	67.0	+32.8	76
	Killarney	66	38	60.9	40.7	50.5	+5.5	65	4	0	—	?	—	—	—
	Foynes	65	37	61.4	40.0	50.4	+6.1	67	6	0	—	?	—	—	—
	Scilly (St. Mary's)	56	45	54.0	46.6	50.2	+3.9	57	0	0	—	—0.53	64.3	?	73
	Jersey	66	42	62.1	44.0	52.8	+6.7	76	0	0	—	—0.49	73.7	+35.4	84

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

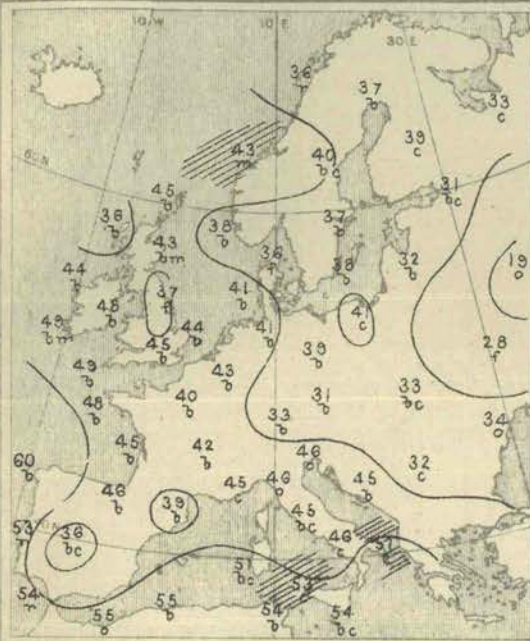
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

‡ Wet Fog.

Sunday, 25th March.

Temperature and Weather.

8 a.m.

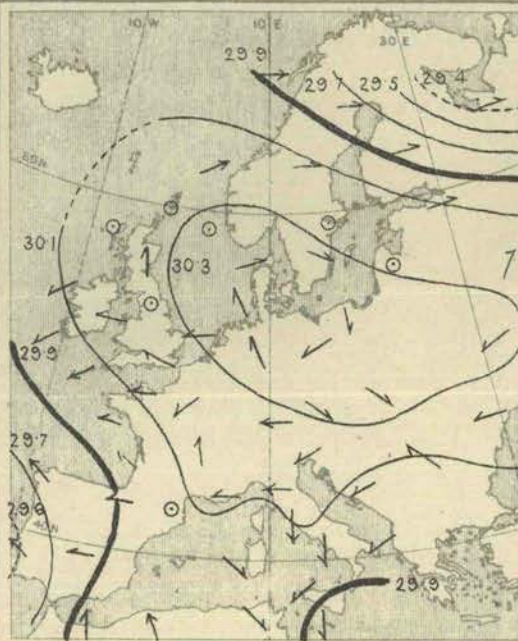


Weather fine and bright over the greater part of our Islands and the Continent, but hazy or foggy in places. Rainy at Bodø, dull at most of the Russian stations and also in Algeria; rainy at Lisbon and San Fernando. No important change occurring over Europe during day, but rain falling in Algeria.

Temperature changed very irregularly. Morning readings highest, 60° at Corunna, and 55° at Nemours, Oran, and Algiers; above 50° at most of the Mediterranean stations, and also in the Channel Islands. Lowest, 19° at Moscow, 28° at Kiev and Kharkov, and 31° at St. Petersburg, Breslau, and Prague; very little above the freezing point over central England, and as low as 36° at Madrid. Rising during day to between 60° and 65° in many parts of the United Kingdom and also in France and Italy; reaching 70° at Biarritz and 72° at Rochefort. Frost occurring at night over the inland parts of our Islands.

Barometer and Wind.

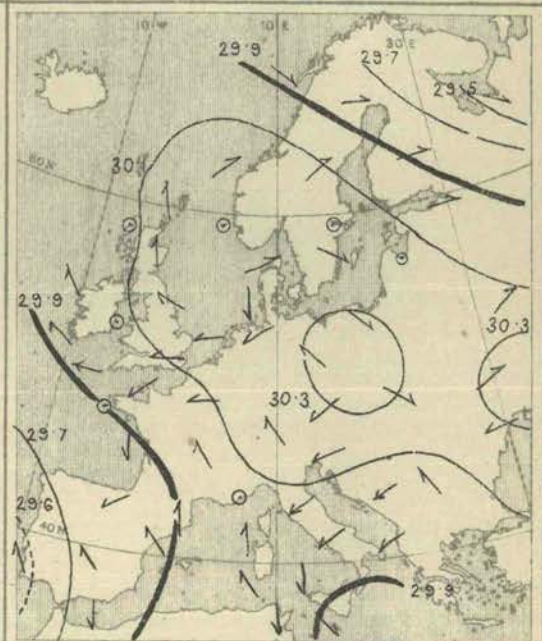
8 a.m.



Wind Easterly over England, Ireland, France, Spain, and the Netherlands; light or moderate in force generally, but fresh on some parts of our west and south-west coasts. Westerly in Scandinavia and northern Russia, and strong in force in the west of Norway. Calm or variable in Germany; Easterly or North-Easterly in the south of Russia; North-Easterly or Northerly in Italy. No important change occurring during day.

Barometer highest, 30.1 ins. in a large anticyclone covering all the more central parts of Europe and extending westwards over the greater part of the United Kingdom. Lowest, 29.4 ins. and less in a depression lying over the extreme north of Russia; 29.6 ins. and less in another disturbance off the Portuguese coasts. Slight fall taking place in most countries during day, and anticyclone becoming slightly reduced both in size and intensity.

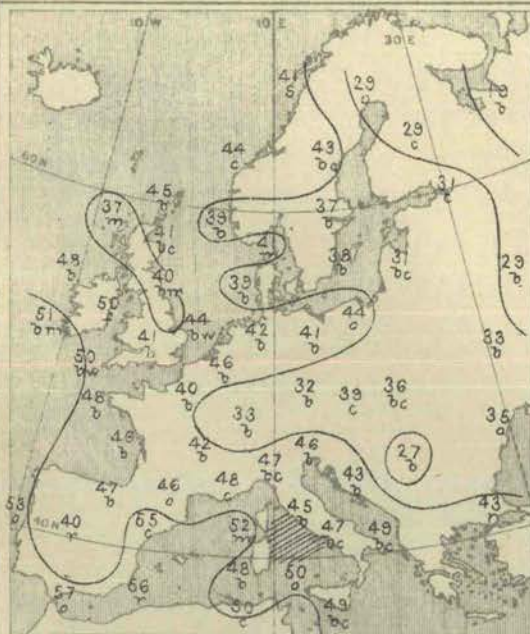
6 p.m.



Monday, 26th March.

Temperature and Weather.

8 a.m.

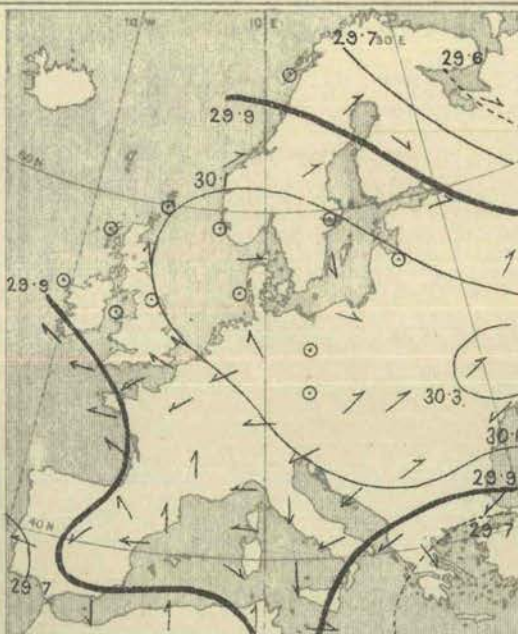


Weather in morning fine and bright over the greater part of our Islands and the Continent, but with fog at some of the English stations, dull in the north of Scandinavia, with snow at Bodø; dull and rainy in Algeria, as well as at Madrid and Constantinople. Fog over England clearing quickly later, and weather becoming exceedingly fine in all parts of western Europe. Considerable quantities of rain falling, however, over Algeria and the southern parts of the Spanish Peninsula.

Temperature risen in most places. Morning readings highest, 57° at Bilbao and Nemours, 56° at Algiers, and 55° at Barcelona and Oran; reaching 50° or more in the extreme south-west of our Islands. Lowest, 19° at Archangel and 27° at Hermanstadt; below the freezing point at most of the Russian and also at several of the Austrian stations, and ranging between 32° and 35° over central England. Rising during day to 60° or more in several parts of our Islands, France, and Spain, and reaching 69° at Cambridge, and 70° at Brest and Rochefort. Falling fast over Great Britain at night; sharp ground frost occurring at the inland stations; thermometer on grass falling to 20° at Loughborough.

Barometer and Wind.

8 a.m.



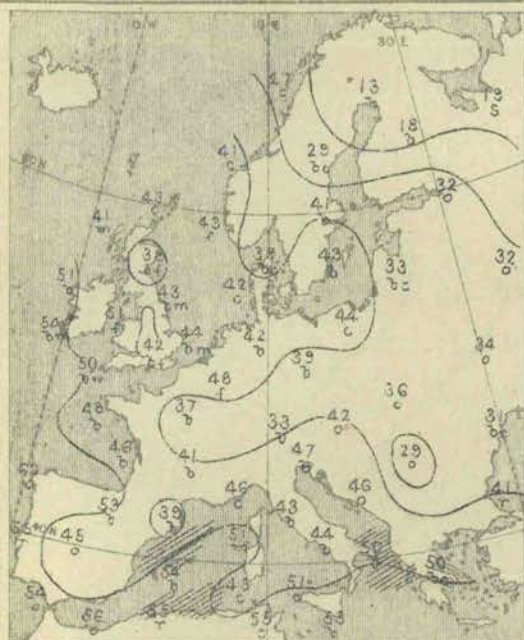
Wind light to moderate from the Eastward or South-Eastward over the greater part of England, Ireland, and France, but calm or Southerly in Scotland. Light from the Westward or South-Westward over Scandinavia, Denmark, Russia, and the Baltic; calm at many of the German stations. Moderate to fresh from the North-Eastward or Northward in Italy, variable in Algeria. No important change occurring over western Europe during day, but Northerly gale setting in at Uleaborg, and strong Easterly winds on the Algerian coasts.

Barometer highest, 30.3 ins. and upwards in the south of Russia; 30.0 ins. and upwards in an anticyclone covering all the more central parts of Europe, and extending over all but the south-western parts of the United Kingdom. Lowest, 29.6 ins. and less over northern Russia, 29.7 ins. and less in a shallow depression lying off the Portuguese coasts, 29.8 ins. and less in two other depressions, one lying over Asia Minor and the other over Algeria. Slight fall of barometer taking place over western Europe during day, but general distribution of pressure remaining unchanged.

Tuesday, 27th March.

Temperature and Weather.

8 a.m.

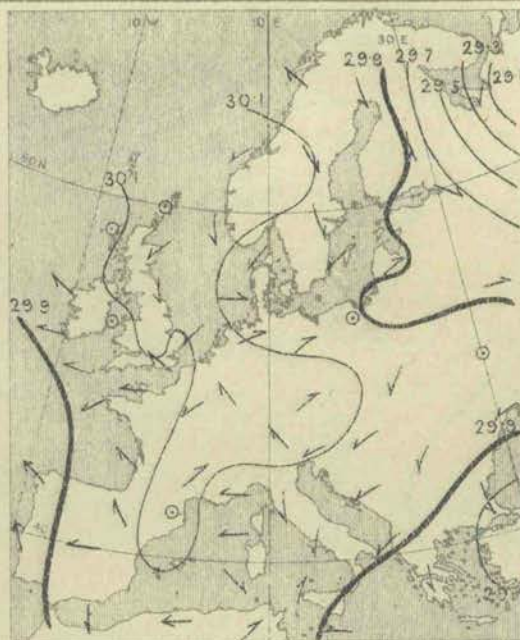


Weather in morning hazy or foggy over the greater part of our Islands, but fine and bright at our south coast stations, as well as over a considerable portion of the Continent. Dull over the Spanish Peninsula and Algeria, with rain at Lisbon and Algiers; rain falling also at Constantinople, and snow at Archangel. Sky clearing later in many parts of Great Britain; snow falling in evening at Bodo.

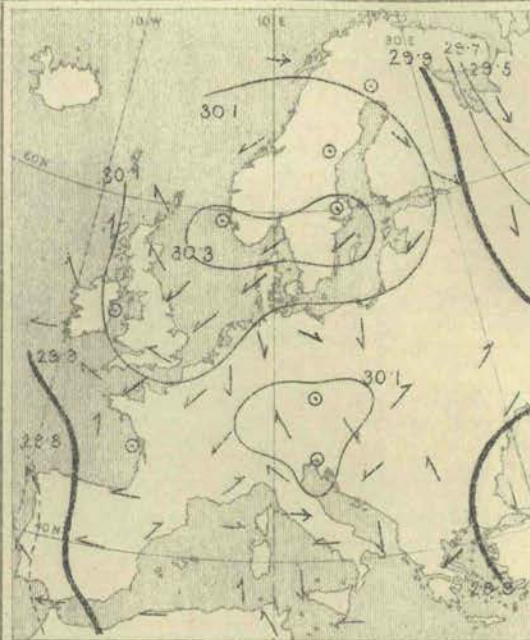
Temperature changed little and irregularly. Morning readings highest, (1) 60° at Corunna and 55° at Lisbon; (2) 57° at Jersey, and 54° at Valencia (Ireland); (3) 56° at Oran, and 55° at several other of the Algerian stations, as well as at Barcelona. Lowest, 18° at Uleaborg, 16° at Haparanda, 18° at Kuopio, and 19° at Archangel; below the freezing point over Russia and the north of Scandinavia generally, as well as in some parts of central England. Rising during day to between 65° and 67° in several parts of Ireland and England, and to between 70° and 73° in the south-west of France. Frost occurring at night over the inland parts of Great Britain.

Barometer and Wind.

8 a.m.



6 p.m.



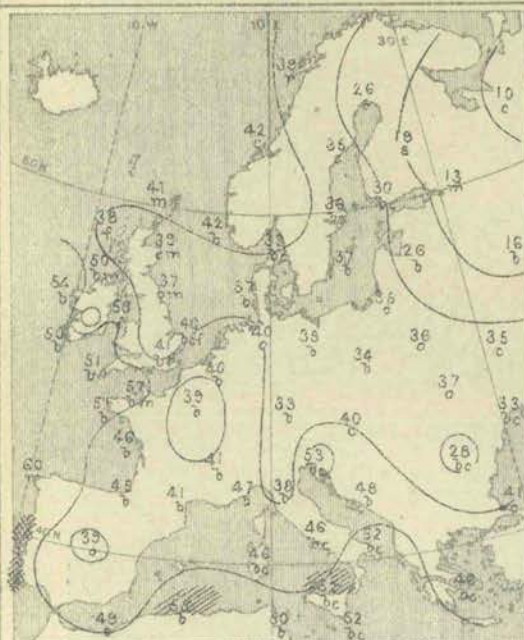
Wind light from the Eastward (South-East to North-East) over our Islands, France, and the Netherlands, as well as in the north of Scandinavia. Light to moderate from the Northward over Finland and the south of Scandinavia; Westerly or South-Westerly over Denmark and north Germany, North-Easterly or Northerly over Italy, Austria, and the south of Russia. Fresh or strong from the South-Eastward over Portugal and the north-west of Spain; variable in Algeria. No important change occurring during day, but strong Westerly wind setting in at Bodo in evening.

Barometer highest, 30.2 ins. and upwards in the west of Norway; 30.1 ins. and upwards in an anticyclone of irregular form covering a considerable portion of western and central Europe. Lowest, 29.2 ins. and less in a well-marked depression over the north of Russia; 29.7 ins. and less in a shallow system over Asia Minor, 29.8 ins. and less in another shallow disturbance off the Portuguese coasts. Rising taking place over western and northern Europe during day; depression over northern Russia moving away to the eastward.

Wednesday, 28th March.

Temperature and Weather.

8 a.m.

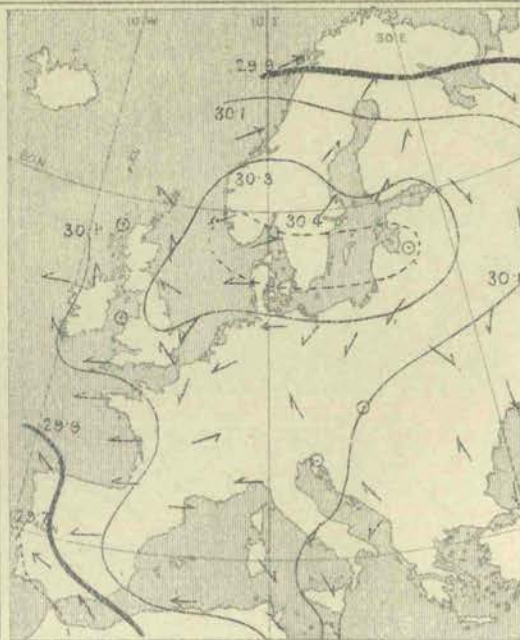


Weather in morning fine over the greater part of Europe, but with fog or haze at many of our own stations. Cloudy over the northern parts of Scandinavia and Russia, with rain at Bodo and snow at Haparanda and Kuopio; dull over the central and southern parts of the Spanish Peninsula. Weather clearing later in most parts of the United Kingdom, but becoming foggy again at night. Snow falling at St. Petersburg in evening.

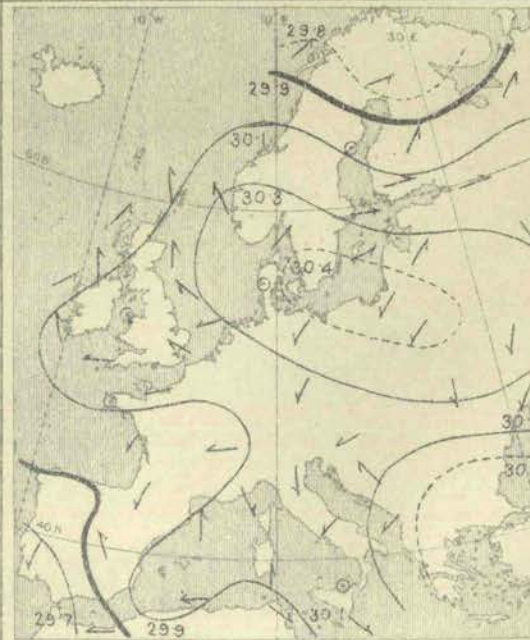
Temperature fallen over Great Britain, the Netherlands, Denmark, and the Baltic, as well as in Spain, risen quickly in the north of Scandinavia, changed irregularly elsewhere. Morning readings highest, (1) 60° at Corunna and 56° at Barcelona and Oran; (2) 57° at Jersey and 54° at Belmullet. Lowest, 10° at Archangel, 13° at St. Petersburg, 16° at Moscow, and 19° at Kuopio; below the freezing point at many of the Russian and Austrian stations, and as low as 32° at Loughborough and 33° at Nairn and Cambridge. Rising during day to 60° or more in several parts of England and Ireland, and reaching 66° at Parsonstown, but remaining below 45° at some of our east coast stations. Slight frost occurring over the northern and central parts of the United Kingdom at night.

Barometer and Wind.

8 a.m.



6 p.m.



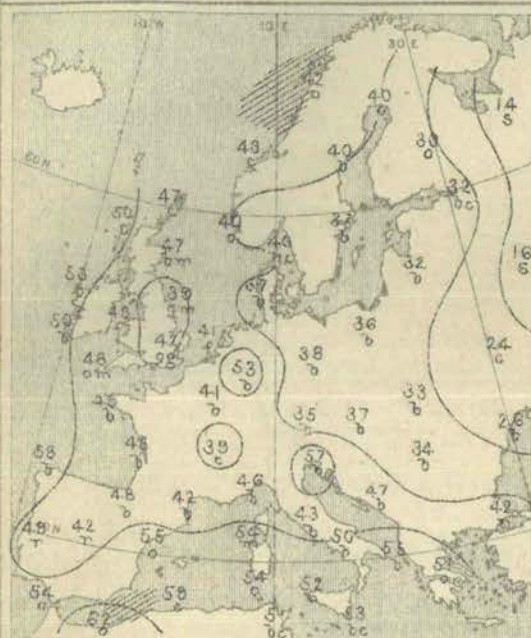
Wind light to moderate from the Eastward or North-Eastward over the greater part of western and central Europe, but Southerly or South-Easterly in Scotland. Westerly or South-Westerly over Scandinavia and Finland, and strong in force on the Norwegian coasts. Light from the Northward over the central and southern parts of Russia and also in Italy. No important change occurring later.

Barometer highest, 30.4 ins. and upwards over Denmark, the Baltic, and the extreme southern parts of Scandinavia, 30.1 ins. and upwards in an anticyclone covering the greater part of Europe, and embracing the whole of the United Kingdom. Lowest, 29.7 ins. and less in a depression lying to the south-westward of the Spanish Peninsula, 29.3 ins. and less in the south of Russia, 29.0 ins. and less in the north of Scandinavia. Slight fall of barometer taking place during day in most parts of western and northern Europe, and anticyclone moving slowly southwards.

Thursday, 29th March.

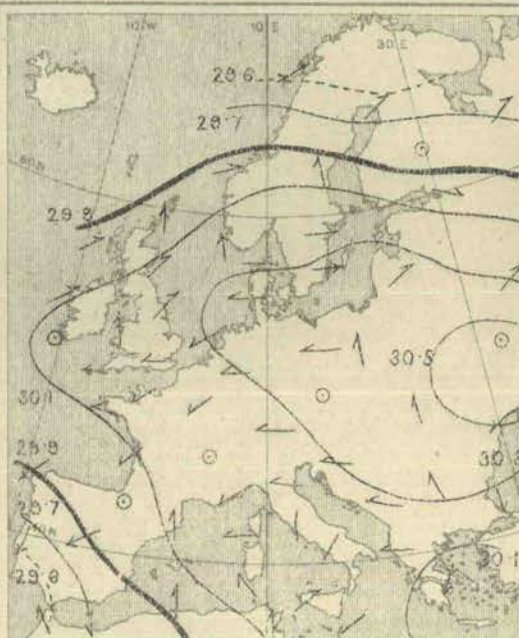
Temperature and Weather.

8 a.m.

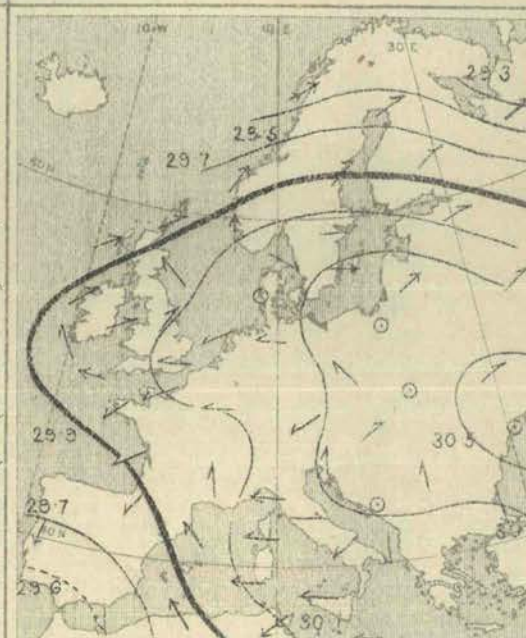


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of Europe, but with fog or haze at many of our own stations. Dull in the west and north of Scandinavia and the northern and central parts of Russia, with snow at Archangel and Moscow; dull also over the greater part of the Spanish Peninsula, with rain at Madrid and Lisbon. Weather clearing later in most parts of the United Kingdom, but remaining foggy on the east coasts of England. Slight rain falling in the Hebrides and large quantities at Barcelona and Madrid.

Temperature risen briskly in the north of Scotland, as well as over Sweden and northern Russia, Italian in most other localities. Morning readings highest, 62° at Nemours and Oran, 59° at Algiers, and 58° at Corunna and Oporto; above 50° at most of the Spanish and Mediterranean stations, and also in the west of Ireland. Lowest, 14° at Archangel, 15° at Moscow, and 20° at Kharkov; below the freezing point at most of the Russian stations, and very little above it over the central parts of England. Rising during day to between 60° and 65° in many parts of western and southern Europe, and reaching 70° at Brest and 72° at Limoges. Frost occurring at some of the inland English stations at night.

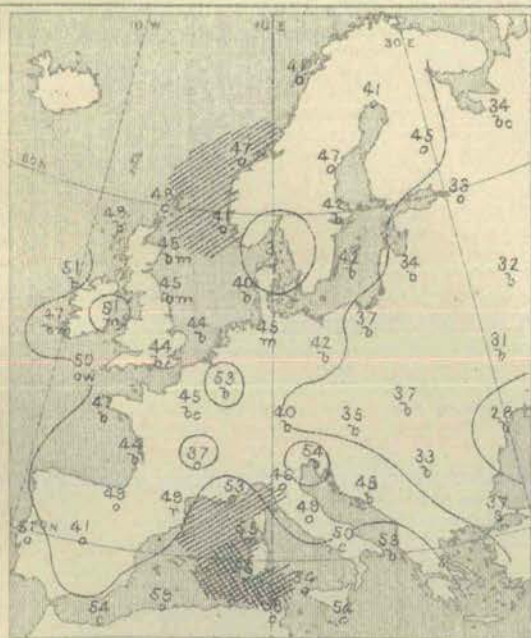
Wind light to moderate from the Eastward over England, France, Germany, and the Netherlands, as well as at many of the Italian stations; fresh or strong from the same quarter or from North-East over the Spanish Peninsula. Moderate to strong from the South-Eastward in eastern Algeria; but Northerly or North-Westerly in the west of that country. Light from the Southward or South-Westward in the northern parts of our Islands; South-Westerly or Westerly over Scandinavia and northern Russia, with a gale at Bodø; variable in Austria, North-Easterly or Northerly in the south of Russia and also in Greece, with a gale at Athens. No important change occurring over western Europe during day.

Barometer highest, 30.5 ins. and upwards in the south of Russia, 30.1 ins. and upwards in an anticyclone covering all but the extreme northern, north-western, and south-western parts of Europe. Lowest, 29.6 ins. and less over the north of Scandinavia, and also in a depression lying over the south-west of Spain. Gradual and very uniform fall taking place over western Europe during day; anticyclone moving slowly south-eastwards, and depression approaching the north-west of Norway.

Friday, 30th March.

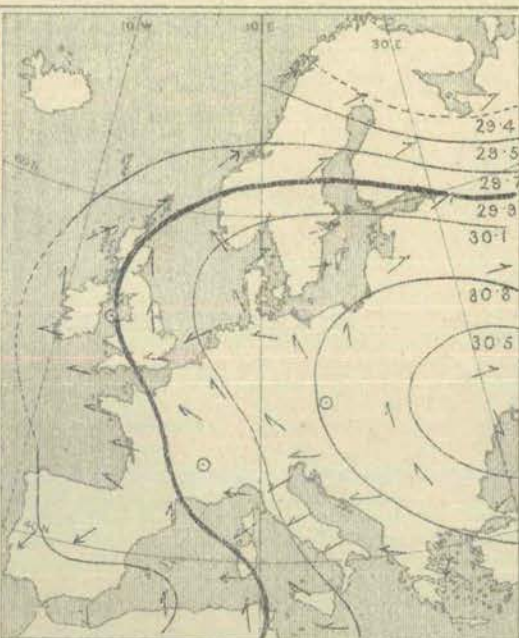
Temperature and Weather.

8 a.m.

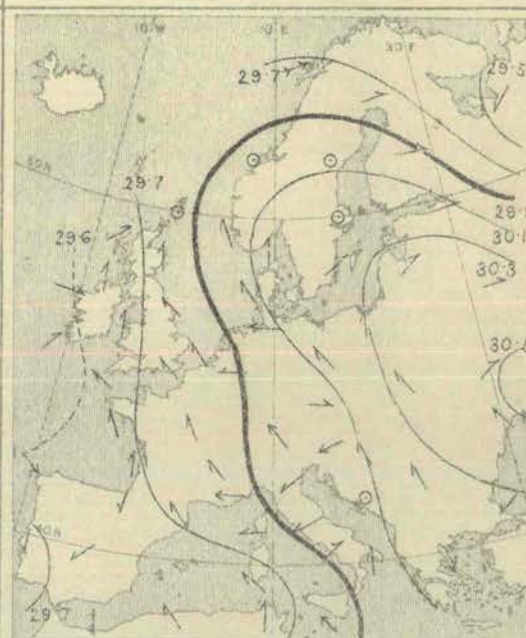


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of western, central, and eastern Europe, but with fog or haze in many parts of the United Kingdom. Dull in Finland and the north of Scandinavia, as well as in most parts of southern Europe, with rain at Perpignan. Weather clearing later over the United Kingdom, but slight rain falling at night at one or two of the English stations, large quantities of rain falling in several parts of southern Europe. Brilliant aurora seen in many parts of our Islands and Scandinavia.

Temperature risen generally. Morning readings highest, 59° at Brindisi and Algiers, 58° at Oporto and Tunis, and 57° at La Calle, above 50° in many parts of southern Europe, as well as in Belgium and the Channel Islands. Lowest, (1) 26° at Nicolaieff, 23° at Odessa, and 31° at Kiev; (2) 32° at Loughborough and 33° at York; (3) 37° at Lyons. Rising during day to 65° or more in several parts of England and France, and reaching 70° at Cambridge, but remaining below 50° at some of our east coast stations. Exceeding 60° in most parts of southern Europe.

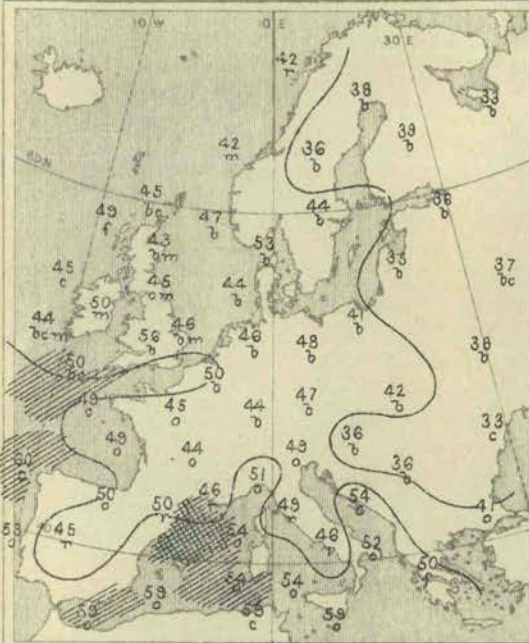
Wind light to moderate from the Eastward or South-Eastward over Ireland, England, France, and the greater part of central Europe. Southerly or South-Westerly in the northern parts of our Islands; South-Westerly or Westerly over Scandinavia and Russia, and strong in force in the west of Norway. Moderate from the North-Eastward in Italy; fresh or strong from East or North-East in Spain and the extreme south of France, with a gale at Barcelona. Subsequently shifting to the South-Westward or Westward in the west of Ireland; no important change occurring elsewhere.

Barometer highest, 30.6 ins. and upwards in the south of Russia; 30.1 ins. and upwards in an anticyclone covering all the more central and eastern parts of Europe. Lowest, 29.4 ins. and less in the extreme northern parts of Scandinavia and Russia; 29.6 ins. and less in a shallow depression lying over the south of Spain. Steady fall of barometer taking place during day at all but the Scandinavian stations, but general distribution of pressure remaining unchanged.

Saturday, 31st March.

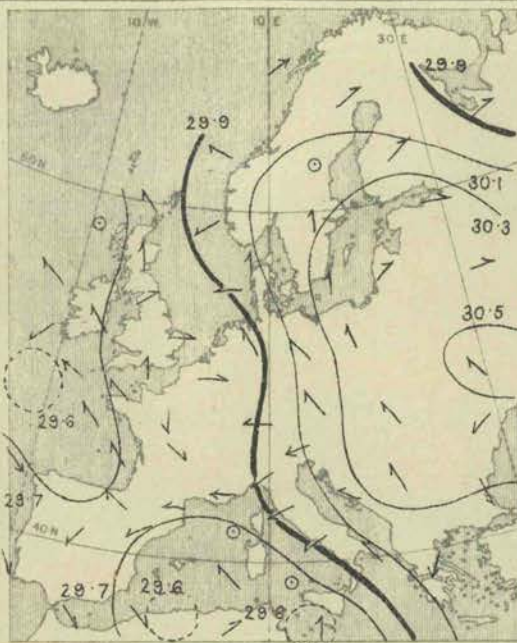
Temperature and Weather.

8 a.m.

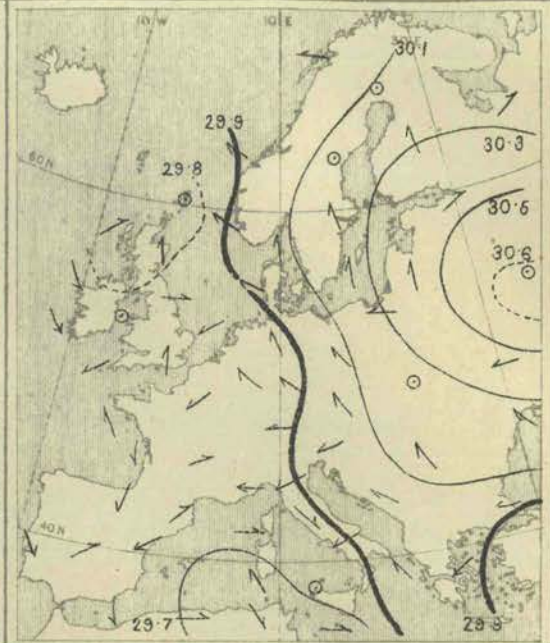


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of our Islands and the Continent, but dull in the southern countries, with rain over the central parts of Spain and Italy, as well as at Perpignan. Slight rain falling later in isolated portions of the United Kingdom, and larger amounts in Algeria and the extreme south of France. Lightning seen at Wick at night, and an aurora at Sicily.

Temperature fallen over the northern parts of our Islands and the Continent, as well as in Greece and the south of Italy, but risen elsewhere. Morning readings highest, (1) 66° at Bilbao and Corunna, and 59° on the Algerian coasts and at Malta; (2) 56° in London, 53° at Jersey, and 52° at Dungeness. Lowest, 30° at Kharkov, 31° at Nicolaieff, and 33° at Archangel and Odessa; below 40° at most of the Swedish, Russian, and Austrian stations, and below 45° in several of the northern parts of Great Britain. Rising during day to 65° or more at some of our own central and southern stations, as well as in many parts of France, Spain, and Italy; the highest reading of all being 70° at Le Mans.

Wind light from the Southward or South-Eastward over the greater part of western Europe, but variable over the Netherlands, central France, and the east of England. Light from the South-Westward or Westward over the northern parts of Russia. Easterly or North-Easterly in Italy and the south of France; moderate to strong from the Northward in Portugal; variable or Westerly in Algeria. Subsequently shifting to the North-Westward in Ireland, and becoming very variable over Great Britain; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over the south of Russia; 30.1 ins. and upwards in an anticyclone covering the greater part of northern, eastern, and central Europe. Lowest, 29.6 ins. and less in a depression lying to the south-westward of our Islands, and also in two other systems lying respectively over Algeria and to the southward of Sicily. Rise taking place over western Europe during day, and new high-pressure system beginning to appear off our extreme western coasts.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b— = blue sky; —c— = detached clouds; —o— = overcast; —m— = misty (hazy); —f— = foggy; —q— = squally; —r— = rain; —h— = hail; —s— = snow; —l— = lightning; and —t— = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the week a large anticyclone covered all but the extreme northern and south-western parts of Europe, so that light breezes were reported generally, their direction being Easterly in most of the western, central, and southern countries, but Southerly in Scotland, and South-Westerly or Westerly in Scandinavia and northern Russia. The weather was dull in the extreme north, with occasional snow in northern Russia, and rainy over Algeria and the south of Spain, but fine and dry in nearly all other countries. Fog and haze were, however, very prevalent over the British Islands during the early morning, and in some instances the weather at our east coast stations remained thick all day.

After the 29th, the anticyclone receded slowly to the eastward, and a large shallow depression spread over our Islands from the Atlantic. The wind, consequently, shifted to the South-Eastward or Southward in many parts of western Europe, and, although the weather remained generally fair, slight rain fell in one or two isolated parts of the United Kingdom. Local irregularities in pressure were observed about the same time over southern Europe and the Mediterranean, with heavy falls of rain in places.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 74.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	49.9	?	56	?	EASTBOURNE	72.7	?	83	?
OSWALDKIRK (Yorkshire)	56.5	?	64	?	MANCHESTER (Oldham Road)	53.4*	?	61*	?
WORKSOP	50.2	+25.4	57	+29	TENBY	76.6*	?	87*	?
THURCASTON (Leicestershire)	61.0	+38.3	69	+44	NEWQUAY	73.6	?	84	?
MARGATE	56.0	?	64	?	TORQUAY	66.5*	?	76*	?
WESTBOURNE (Sussex)	72.8*	?	83*	?	ABLEY COTTAGE (County Cavan)	57.2	?	65	?
BRIGHTON	76.2	?	80	?	GUERNSEY	72.5*	?	82*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Vol. XI. No. 14.]
Third Series.

WEEK ENDING SATURDAY, 7TH APRIL, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 80.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	32	52.3	37.2	44.5	3 above.	Day-deg. 38	Day-deg. +24	Day-deg. 13	Day-deg. -14	Day-deg. 186	Day-deg. + 82	Day-deg. 433	Day-deg. - 24
	1. SCOTLAND, EAST	62	26	50.3	36.0	42.8	2 above.	31	+ 9	17	-10	211	+ 50	510	+ 12
	2. ENGLAND, N.E.	55	33	50.5	39.5	44.7	2 above.	29	+ 8	7	-18	251	+ 91	414	- 38
	3. ENGLAND, EAST.	69	34	57.8	38.9	47.9	4 above.	54	+25	9	-18	342	+150	446	- 63
	4. MIDLAND COUNTIES.	68	33	60.7	38.7	49.2	6 above.	64	+34	9	-19	355	+137	438	- 60
	5. ENGLAND, SOUTH	70	33	61.0	43.3	51.7	7 above.	68	+38	0	-20	366	+135	300	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	64	28	55.5	40.0	47.4	5 above.	46	+25	6	-14	246	+ 86	316	- 51
	7. ENGLAND, N.W.	73	34	57.5	40.4	48.6	5 above.	53	+31	4	-17	321	+102	256	- 93
	8. ENGLAND, S.W.	68	31	59.7	42.3	50.6	6 above.	60	+34	0	-15	402	+151	228	- 63
	9. IRELAND, NORTH	66	35	55.9	41.5	48.4	5 above.	47	+20	1	-15	325	+ 92	313*	- 12
	10. IRELAND, SOUTH	64	35	57.3	42.3	49.6	4 above.	53	+22	0	-14	435	+119	208	- 47
	—CHANNEL ISLANDS	67	42	59.9	48.0	53.7	7 above.	82	+51	0	- 4	495	+166	94	- 15

DISTRICTS. (See p. 80.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	0	10ths of in. —	10ths of ins. 7 less.	68	- 1	21.1	36	+ 8	39	+ 8	215	+ 39	28	+ 6	
	1. SCOTLAND, EAST	3	1	4 less.	59	+ 6	11.1	23	- 8	25	- 9	315	+ 82	37	+ 9	
	2. ENGLAND, N.E.	3	2	2 less.	54	+ 5	3.5*	28	+ 1	31	+ 2	330	+111	34	+ 12	
	3. ENGLAND, EAST.	1	1	3 less.	48	0	4.4	41	+10	45	+ 11	383	+120	39	+ 13	
	4. MIDLAND COUNTIES.	2	1	3 less.	56	+ 9	5.9	41	+13	45	+ 14	344	+112	35	+ 12	
	5. ENGLAND, SOUTH	1	less than ½	4 less.	50	+ 4	6.4	46	+12	51	+ 14	400	+118	38	+ 14	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	3	4 less.	67	+ 9	19.0	35	+ 5	39	+ 6	297	+ 71	31	+ 9	
	7. ENGLAND, N.W.	2	2	2 less.	58	+ 5	10.0	36	+11	40	+ 12	287	+ 96	32	+ 10	
	8. ENGLAND, S.W.	2	2	4 less.	58	+ 4	10.7	46	+ 7	50	+ 7	397	+ 93	38	+ 11	
	9. IRELAND, NORTH	3	2	3 less.	67	+ 5	12.6	31	+ 5	34	+ 5	295	+ 77	32	+ 9	
	10. IRELAND, SOUTH	4	3	3 less.	65	+ 9	11.2	35	+ 1	38	+ 1	328	+ 46	33	+ 6	
	—CHANNEL ISLANDS	3	2	3 less.	59	0	8.0	49	+12	53	+ 13	433	+106	45	+ 12	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was again very fine and dry over the country as a whole, but falls of rain were reported locally, accompanied in some places by thunder and lightning. Fog or haze was very prevalent during the nights and early mornings, especially in the northern parts of the Kingdom.

Temperature continued above the mean, the excess ranging from 2° in Scotland E. and England N.E., to 6° in the Midland Counties and England S.W., and to 7° in England S. and the Channel Islands. The diurnal range was again very large at all inland stations. The highest of the maxima were registered, as a rule, on the 1st, and ranged from 73° in England N.W., and 70° in England S., to 62° in Scotland E., and 60° in Scotland N. The lowest of the minima, which were recorded either during the earlier or middle part of the week, ranged from 36° in Scotland E., 28° in Scotland W., and 31° in England S.W., to 35° in Ireland, and to 42° in the Channel Islands.

Rainfall was much less than the mean over the Kingdom generally, but some rather considerable falls occurred locally in the south and south-west.

Bright Sunshine showed a great decrease on that recorded during the preceding week, but was still above the mean in almost all districts. The percentage of the possible duration ranged from 53 in the Channel Islands, 51 in England S., and 50 in England S.W., to 34 in Ireland N., 31 in England N.E., and 25 in Scotland E.

Barometer and Wind.—The distribution of pressure continued anticyclonic over the northern and north-eastern parts of our Islands, but the southern and south-western regions were, at times, affected by local depressions which spread northwards from France and the Bay of Biscay. Moderate or light Easterly winds were chiefly prevalent in all our more southern districts, and light South-Easterly winds in the north.

II.—DATA from which the SUMMARY on page 79 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
										Inches.	Inches.					
0. SCOTLAND, N.	Sumburgh Head	50	39	47.7	40.4	43.9	+ 4.1	20	4	1	0.01	-0.51	*	*	*	*
	Stornoway	55	32	52.6	35.4	43.6	+ 2.2	39	18	0	—	-0.68	38.2	+ 8.3	41	+ 8
	Wick	56	39	49.7	39.7	44.5	+ 3.2	27	6	0	—	-0.38	*	*	*	*
	Lairg	60	33	56.3	31.0	44.6	+ 3.7	52	22	1	0.04	-1.12	*	*	*	*
	Glencarron	58	34	52.8	35.8	43.9	+ 2.2	39	17	0	0.01	-0.47	33.8	?	37	?
	Fort William	60	34	54.9	38.2	46.2	+ 3.3	45	11	0	—	-0.26	35.8	?	39	?
1. SCOTLAND, E.	Nairn	59	30	50.0	32.6	40.9	- 1.1	22	36	2	0.02	-0.31	*	*	*	*
	Aberdeen	52	32	47.9	38.0	42.7	+ 1.1	22	11	4	0.07	-0.44	21.7	- 8.5	24	- 9
	Braemar	57	26	51.3	30.8	40.6	+ 2.0	26	43	2	0.02	-0.53	37.7	?	41	?
	Ochertyre	62	32	52.3	38.3	45.0	+ 3.2	37	10	2	0.06	-0.51	*	*	*	*
	Leith	60	34	51.1	38.4	44.5	+ 1.3	33	10	3	0.13	-0.19	*	*	*	*
	Marchmont	58	35	49.4	37.7	43.3	+ 2.3	27	12	5	0.33	-0.24	17.0	?	18	?
2. ENGLAND, N.E.	Alnwick Castle	53	37	47.4	40.6	43.8	+ 2.8	18	4	4	0.18	-0.34	*	*	*	*
	Durham	64	33	53.7	37.3	45.1	+ 3.0	41	13	4	0.26	-0.27	26.3	+ 0.2	29	+ 1
	Shields	55	36	48.0	38.1	42.8	+ 0.6	22	11	0	—	-0.44	*	*	*	*
	Scarborough	55	39	49.3	40.9	44.6	+ 1.8	25	5	2	0.07	-0.41	*	*	*	*
	York	65	35	56.7	39.4	47.6	+ 4.1	50	7	3	0.38	-0.02	29.5	+ 2.5	32	+ 3
	Spurn Head	54	39	47.9	41.4	44.5	+ 2.0	20	2	3	0.41	+0.09	*	*	*	*
3. ENGLAND, E.	Hillington	65	35	59.2	39.2	48.7	+ 5.0	59	8	1	0.01	-0.28	39.6	+10.3	44	+12
	Yarmouth	53	38	48.4	41.4	44.7	+ 2.3	21	2	0	—	-0.40	*	*	*	*
	Geldeston	67	36	55.8	38.0	46.5	+ 2.6	48	11	3	0.13	-0.15	39.4	+ 4.7	43	+ 5
	Cambridge	69	36	64.7	39.0	51.2	+ 7.1	77	8	1	0.21	-0.16	46.5	+13.5	51	+16
	Rothamsted	67	34	61.0	36.9	48.4	+ 5.1	66	14	2	0.23	-0.20	36.6	?	40	?
	Bawtry (Hesley Hall)	68	36	59.6	41.0	49.9	+ 6.2	60	3	4	0.41	+0.05	*	*	*	*
4. MIDLAND COUNTIES	Loughborough	67	37	60.7	38.6	49.1	+ 4.6	64	10	0	—	-0.40	*	*	*	*
	Stamford (Ketton Hall)	67	36	61.3	39.0	49.6	+ 5.6	66	8	0	—	-0.45	*	*	*	*
	Cheadle	64	37	57.4	40.4	48.5	+ 6.3	52	4	1	0.10	-0.38	*	*	*	*
	Churchstoke	66	34	60.1	36.0	47.5	+ 5.2	64	17	2	0.07	-0.35	46.9	+17.5	52	+21
	Hereford	68	35	62.2	38.2	49.6	+ 5.3	69	11	2	0.02	-0.38	*	*	*	*
	Gloucester	65	33	61.4	37.6	48.9	+ 6.2	67	12	2	0.08	-0.40	49.0	+19.3	54	+21
5. ENGLAND, S.	Oxford	66	36	62.3	38.9	50.3	+ 5.8	71	9	3	0.41	+0.01	42.2	+11.7	46	+12
	London	69	39	64.0	40.9	51.9	+ 6.6	74	3	1	0.02	-0.38	34.2	+8.5	38	+10
	North Foreland	62	4)	54.4	44.4	49.2	+ 5.6	50	0	0	—	?	*	*	*	*
	Strathfield Turgiss	69	33	64.1	37.5	50.2	+ 5.6	76	13	1	0.01	-0.39	*	*	*	*
	Dungeness	65	42	57.0	43.9	50.1	+ 6.3	57	0	0	—	-0.43	*	*	*	*
	Hastings (St. Leonards)	67	43	60.9	46.7	53.5	+ 8.1	81	0	1	0.06	-0.41	51.8	+15.4	57	+17
6. SCOTLAND, W.	Southampton	70	38	65.2	42.7	53.4	+ 7.8	80	0	1	0.02	-0.45	49.6	+14.1	55	+16
	Hurst Castle	64	48	60.0	49.1	54.3	+ 9.6	78	0	1	0.08	-0.31	*	*	*	*
	Stowell	64	38	62.0	40.9	51.0	+ 7.1	68	3	1	0.02	?	*	*	*	*
	Laudale (Loch Sunart)	60	37	57.2	41.2	48.8	+ 5.3	51	2	2	0.03	-1.10	*	*	*	*
	Glasgow	56	39	51.1	40.5	45.6	+ 3.1	32	4	3	0.32	-0.23	18.9	- 5.9	21	- 6
	Ardrossan	63	38	54.3	41.0	47.3	+ 3.9	41	3	3	0.21	-0.31	*	*	*	*
7. ENGLAND, N.W.	Glenlee	64	28	59.6	36.4	47.5	+ 6.1	62	16	4	0.73	-0.04	*	*	*	*
	Douglas (Isle of Man)	59	34	55.1	40.7	47.6	+ 4.3	45	4	2	0.17	-0.42	50.6	+14.8	56	+17
	Stonyhurst	58	34	54.2	39.3	46.4	+ 3.5	42	8	2	0.38	-0.25	33.3	+ 6.0	37	+ 7
	Blackpool	65	34	57.3	38.4	47.4	+ 4.1	53	10	2	0.16	-0.31	36.6	+ 8.3	40	+ 9
	Manchester (Prestwich)	73	38	58.6	40.1	48.9	+ 5.7	56	5	3	0.43	-0.07	34.2	?	38	?
	Liverpool Obsy. (Bidston)	65	37	59.3	41.7	50.1	+ 5.6	58	1	2	0.18	-0.20	*	*	*	*
8. ENGLAND, S.W.	Llandudno	64	39	59.0	42.4	51.3	+ 5.1	58	0	1	0.04	-0.39	45.2	+18.5	50	+21
	Holyhead	60	38	56.6	40.7	48.3	+ 3.5	50	4	2	0.25	-0.22	*	*	*	*
	Llandovery	68	31	63.9	36.3	49.4	+ 5.7	76	16	3	0.16	-0.54	*	*	*	*
	Pembroke	60	41	55.0	44.6	49.3	+ 5.0	53	0	1	0.03	-0.45	47.8	+10.6	53	+12
	Bristol (Montpelier)	68	38	63.5	41.3	51.9	+ 7.4	72	2	1	0.05	?	*	*	*	*
	Arlington (N. Devon)	64	35	60.4	41.4	50.4	+ 7.1	61	2	2	0.21	-0.47	*	*	*	*
9. IRELAND, N.	Cullompton	67	33	62.9	39.9	50.9	+ 6.4	71	6	2	0.30	-0.25	43.2	+11.2	47	+12
	Falmouth	57	41	55.4	45.9	50.4	+ 4.7	59	0	5	0.50	-0.23	32.3	- 3.9	35	- 5
	Plymouth	62	37	59.0	44.2	51.2	+ 4.9	64	0	2	0.21	-0.37	45.1	+ 9.1	50	+11
	Prawle Point	60	42	57.4	45.0	50.9	+ 6.7	62	0	2	0.22	-0.27	*	*	*	*
	Malin Head	59	41	53.0	44.1	48.3	+ 4.3	44	0	2	0.18	?	*	*	*	*
	Londonderry	63	38	61.8	41.7	51.3	+ 6.6	66	1	2	0.19	-0.35	*	*	*	*
10. IRELAND, S.	Edenfel (Omagh)	63	37	56.6	39.4	47.6	+ 4.5	50	7	3	0.29	-0.23	*	*	*	*
	Belmullet	63	42	56.4	43.3	49.5	+ 2.9	53	0	3	0.12	?	*	*	*	*
	Markree Castle	64	35	55.6	39.7	48.7	+ 5.0	57	6	1	0.29	-0.25	37.7	+ 7.7	41	+ 8
	Brookeborough	62	39	56.0	40.9	48.1	+ 5.4	47	3	4	0.22	-0.38	*	*	*	*
	Armagh	58	38	54.1	41.1	47.3	+ 4.6	41	3	4	0.14	-0.34	23.8	+ 2.0	32	+ 2
	Donaghadee	55	41	51.3	43.0	47.0	+ 3.2	35	0	5	0.27	-0.18	*	*	*	*
CHANNEL ISLANDS	Edgeworthstown	63	37	55.6	39.9	47.4	+ 4.7	47	6	4	0.31	-0.27	*	*	*	*
	Dublin	56	38	53.0	41.8	47.1	+ 2.0	37	1	3	0.22	-0.26	29.3	- 4.0	32	- 4
	Parsonstown	64	37	59.0	40.6	49.4	+ 5.0	58	4	5	0.49	-0.01	33.9	+ 0.9	37	+ 1
	Kilkenny	64	37	58.3	42.4	50.0	+ 5.3	56	0	4	0.15	-0.35	*	*	*	*
	Waterford	63	35	57.9	41.3	49.2	+ 3.6	53	2	3	0.26	-0.37	*	*	*	*
	Roche's Point	58	40	54.7	43.7	48.9	+ 2.8	48	0	5	0.29	-0.47	*	*	*	*
CHANNEL ISLANDS	Valencia	64	41	58.7	44.9	51.5	+ 4.9	67	0	0	—	-0.86	41.0	+ 4.5	45	+ 5
	Killarney	64	35	58.9	42.0	50.0	+ 4.2	56	0	4	0.62	?	*	*	*	*
	Foynes	63	41	58.1	43.9	50.7	+ 5.6	61	0	5	0.59	?	*	*	*	*
	Scilly (St. Mary's)	58	47	56.1	47.0	51.8	+ 5.0	69	0	2	0.18	-0.35	38.6	?	42	?
	Jersey	67	42	63.6	48.1	55.6	+ 8.6	95	0	4	0.17	-0.32	52.6	+11.8	58	+13

Stations marked *ft* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

; Dew.

Sunday, 1st April.

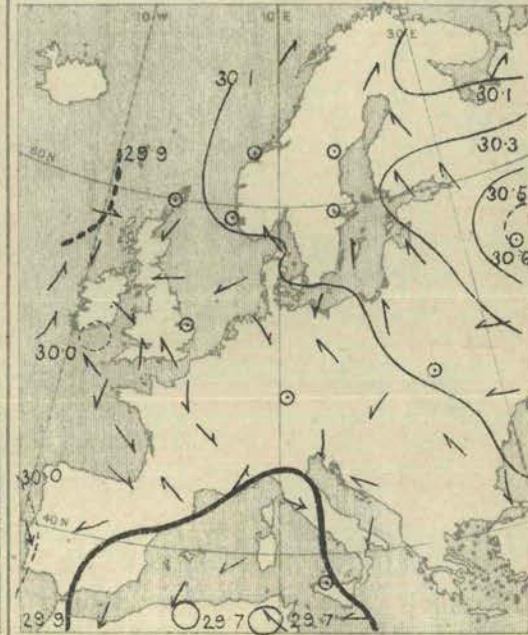
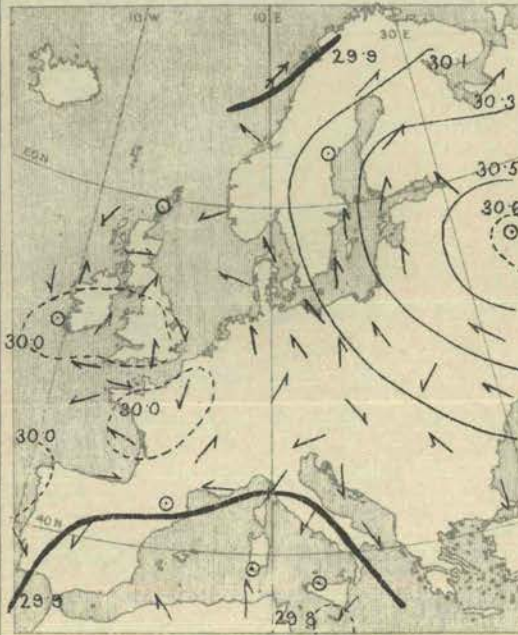
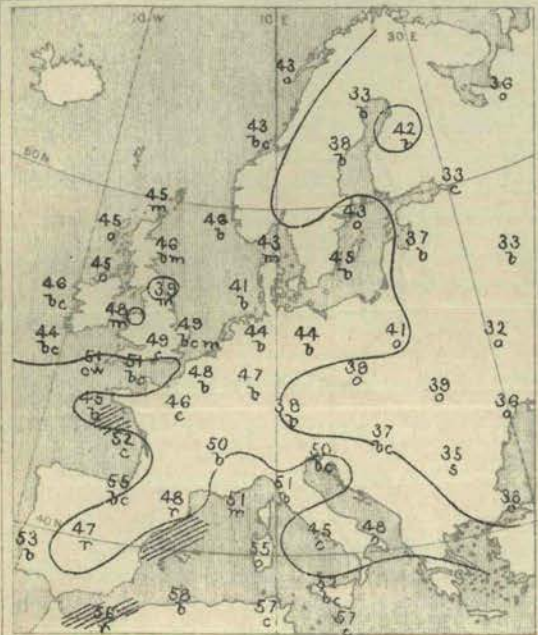
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fair over the Continent and England generally, but less fair in Ireland and Scotland, and not so settled over the United Kingdom as it was during the earlier half of last week. Slight local showers reported later in several parts of Great Britain and at Bodo, considerable rain at San Fernando and Laghouat (Algeria), and thunder heard in some of the suburbs of London.

Temperature rather less high than of late. Morning readings highest, 57° at Malta, La Calle, and Oran, and exceeding 50° on the shores of the Mediterranean, the Bay of Biscay, and the English Channel; exceeding 40° at almost all coast stations. Lowest, 32° at Kieff, 33° at Vienna, Kharkov, Moscow, St. Petersburg, and Haparanda, and below 40° over central and south Germany, Russia, and Turkey in Europe. Rising later to between 65° and 69° over the greater part of England and Italy, to 70° and more in several parts of France, but not touching 60° in Ireland, Wales, or the greater part of Scotland.

Wind (1) South-Easterly, light, over south-eastern and central Europe, South-Easterly to Southerly over the Baltic and Denmark, South-Westerly over Lapland; (2) Easterly over the south of France, North-Easterly over Italy and Spain, North-Westerly at Oran, South-Easterly at Algiers; (3) extremely light and variable over the United Kingdom. No important change later.

Barometer highest, 30.6 ins. and more to 30.0 ins. in a large anticyclone having its centre near Moscow, and covering all the eastern half of Europe; exceeding 30.0 ins. in some secondary anticyclones over the British Islands, France, and the north-west of Spain. Lowest, below 29.8 ins. in some very shallow depressions lying over the southern side of the Mediterranean, and below 29.9 ins. over the west of Lapland. Falling somewhat in Ireland and central France later, rising over northern Europe and in Portugal. Depression in far south moving eastwards.

Monday, 2nd April.

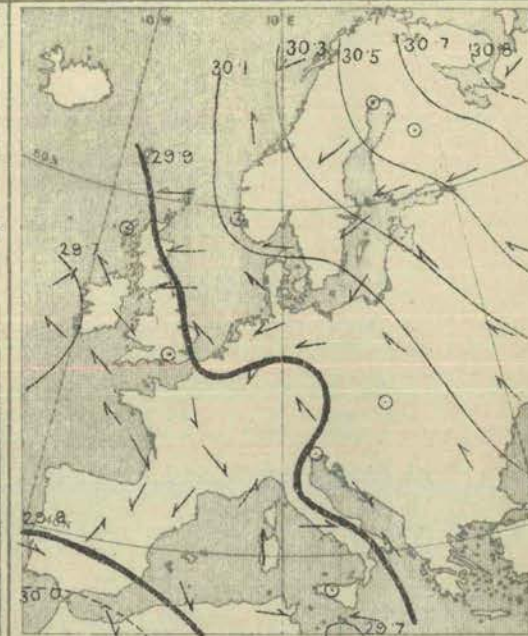
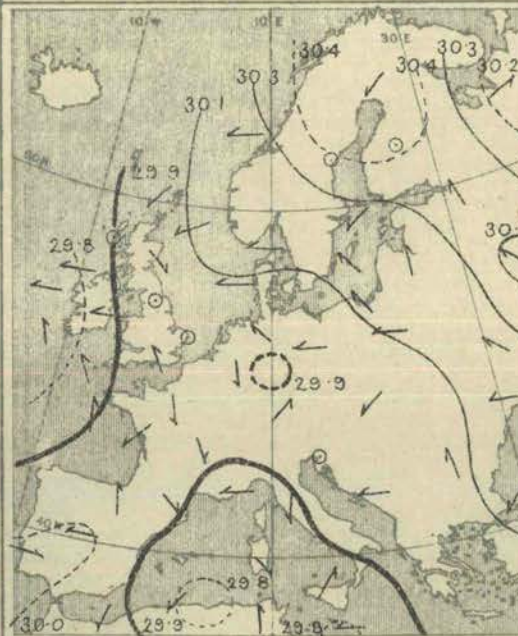
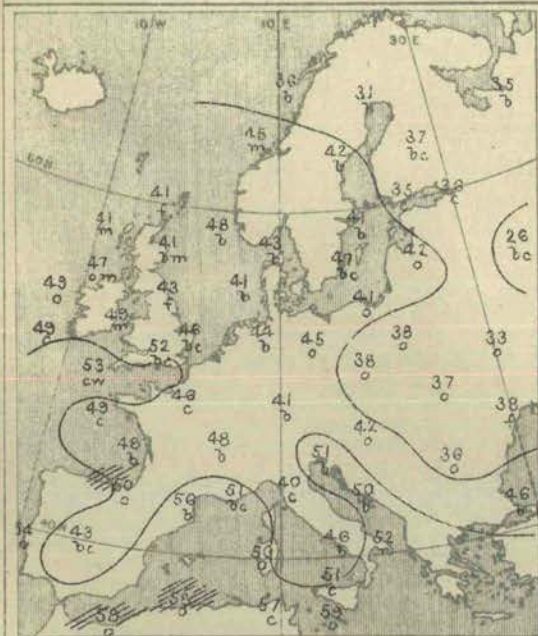
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine over northern Europe, and fair, as a whole, in most other regions, but not so settled as of late; fog and haze very prevalent in various parts of the British Islands, rain in some parts of Algeria and the south of Italy. Thunder, lightning, and rain showers occurring in several parts of our Islands, in the south of Portugal and Tunis later, and thunder and lightning (without rain) at Rochefort, intervals of fine bright weather in most places.

Temperature fallen over Russia, risen over south-eastern Europe, changed little and irregularly elsewhere. Morning readings highest, 61° at Barcelona, 55° to 59° on the southern shores of the Mediterranean and on the Portuguese coast; 50° to 52° over the southern counties of England. Lowest, 23° at Moscow, 32° at Kharkov, and below 40° over Finland, Russia, Poland, and Hungary generally. Rising later to between 60° and 68° at the English and Italian stations, and to 70° and more in many parts of France, but falling sharply at night, and frost occurring on the grass over the inland parts of Great Britain.

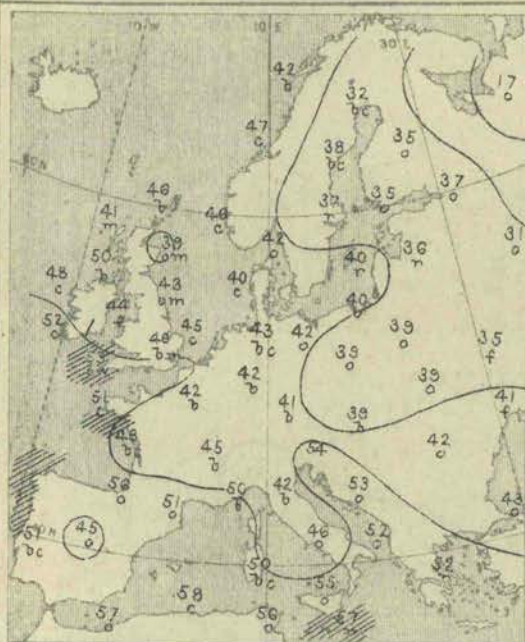
Wind South-Easterly to Easterly in direction, and light to moderate in force over the eastern and northern countries. Very variable over the Iberian Peninsula and central Europe, light, but cyclonic, over the Mediterranean; North-Easterly over Greece and Turkey, North-Westerly over Algeria. No general change later, except over Spain, where South-Westerly breezes set in; considerable variations in direction in many other localities.

Barometer highest, (1) 30.5 ins. and more to 30.0 ins. in a complex anticyclone covering the whole of northern and eastern Europe; (2) 30.0 ins. and more over Portugal and Spain. Lowest, 29.3 ins. and less over the western parts of Ireland and the Bay of Biscay, and still lower over the Atlantic, and about 29.9 ins. in a very shallow system over western Germany. Local (shallow) disturbances occurring in many parts of Germany, France, and the British Islands later.

Tuesday, 3rd April.

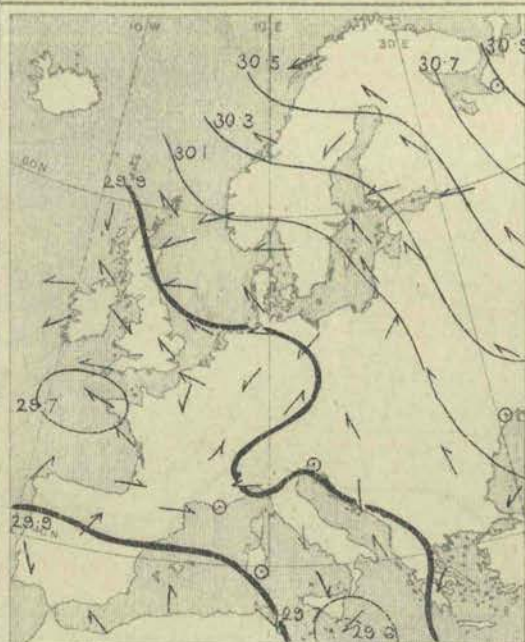
Temperature and Weather.

8 a.m.

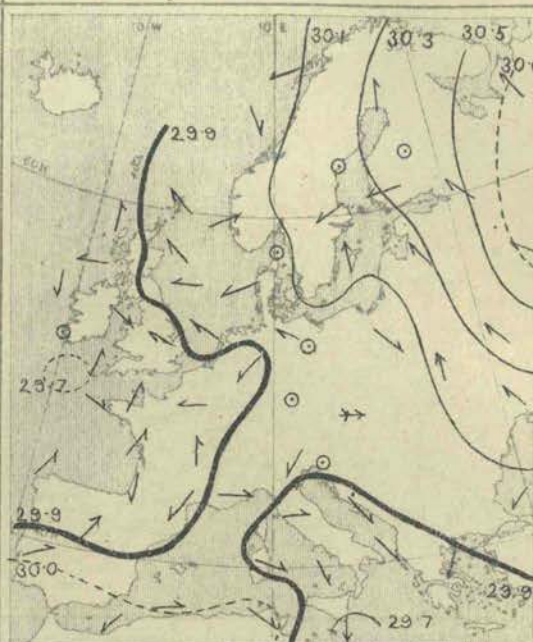


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine and bright over northern Europe and in many other parts of the Continent and the United Kingdom, but varying locally; fog or haze very prevalent over the United Kingdom and in the south of Russia, rain falling on the shores of the Baltic, over central Ireland, as well as at Malta and Athens. Some rain later in Spain and the western parts of France, as well as over the north of our Islands and on the eastern shores of the North Sea.

Temperature risen somewhat over Russia, changed little and irregularly elsewhere. Morning readings highest, 60° at Barcelona, 58° at Algiers, 50° to 57° on most of the shores of the Mediterranean, and above 50° on the Atlantic coasts of Europe and the British Islands. Lowest, (1) 17° at Archangel, 31° at Moscow, 32° at Haparanda, 25° at Kiev; (2) 39° to 41° along the north-east and east coasts of Scotland. Rising later to between 60° and 69° over England and the west and north of France, and to 70° and more over the more eastern departments and in some parts of Algeria.

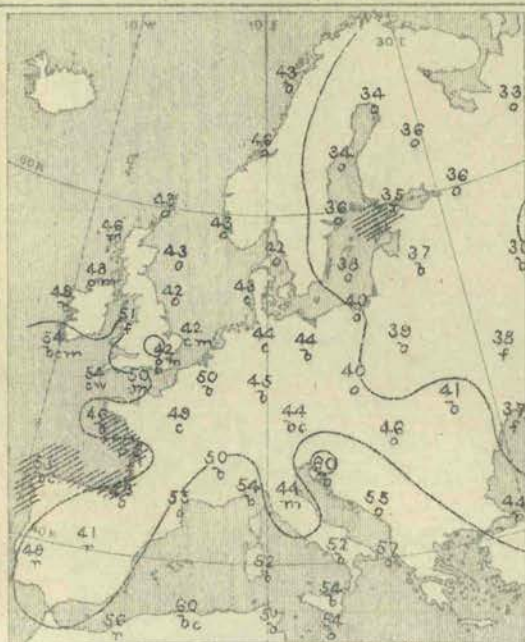
Wind very light as a whole, South-Easterly to Easterly over all the eastern, northern, and north-western countries; variable, but in many places South-Westerly to North-Westerly in the south of Europe; North-Easterly, fresh, at Malta, North-Westerly at Tunis. The Westerly wind in the south tending to spread Northwards over the Bay of Biscay later, and Eastward over the Mediterranean, but showing very little energy.

Barometer highest, 30.9 ins. over the north-east of Russia, and exceeding 30.0 ins. over all the northern and eastern parts of the Continent, as well as over the south of Spain and Algeria. Lowest, 29.6 ins. and less in a depression to the south-eastward of Malta; 29.7 ins. and less in another over the Bay of Biscay, and about 29.8 ins. in a shallow secondary over eastern France and western Germany. Last-named systems moving northwards later, but subsequently beginning to fill up; disturbance near Malta moving south-eastwards.

Wednesday, 4th April.

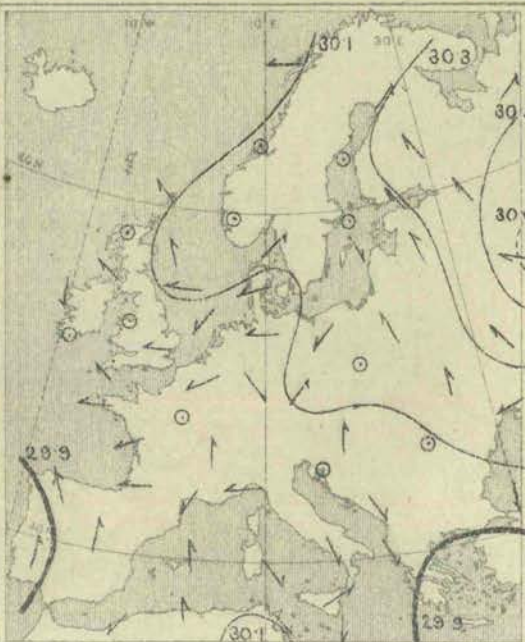
Temperature and Weather.

8 a.m.

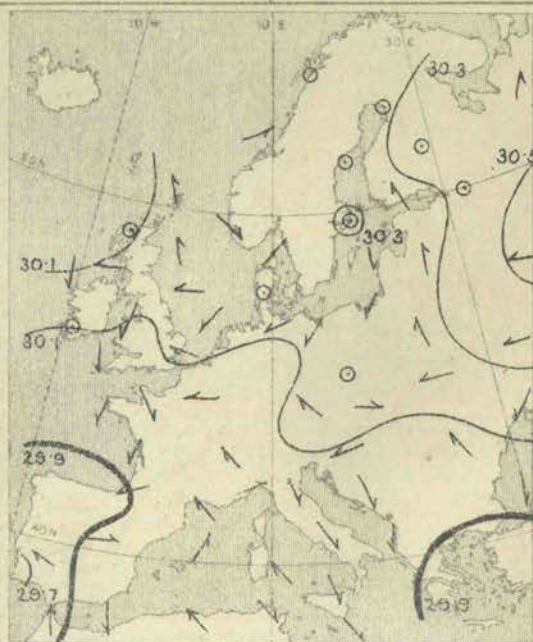


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine in the west and south of Ireland, foggy or misty in most other parts of the United Kingdom, as well as in the west of France; fine and bright over the Netherlands, Germany, Italy, and the greater part of France; cloudy or overcast in most other European countries, with rain at Madrid and Lisbon. Fog clearing later in many parts of the United Kingdom; slight showers falling in the south-west of England, large quantities of rain over Algeria and the south of Portugal, and decided amounts in the west of France. Thunder heard at Roche's Point in afternoon, and an unusual parhelion seen in London.

Temperature changed very irregularly. Morning readings highest, 61° at Palma, 60° at Trieste and Algiers, 59° at Sfax, and 58° at Oran; above 55° at several of the Mediterranean stations, and very little below it in the extreme south-west of our Islands. Lowest, 30° at Moscow, 33° at Archangel, and 34° at Haparanda and Hernösand; below 40° over Sweden and Russia generally, as well as in some parts of Germany and central England. Rising during day to between 60° and 65° in several parts of England and Ireland, exceeding 70° at many of the western and southern French stations.

Wind light from the Eastward over the greater part of England, Ireland, France, the Netherlands, and north Germany, but Westerly over the central parts of the English Channel. Light from the South-Eastward in the north and east of Scotland, and also over northern and central Russia; calm or variable in Scandinavia. Variable in Austria and Italy; South-Easterly or Southerly over the Spanish Peninsula. Westerly winds disappearing from the Channel stations, and Southerly to South-Easterly winds setting in over south of Spain and Portugal.

Barometer highest, 30.6 ins. and upwards over central Russia, 30.1 ins. and upwards over the whole of northern, eastern, and central Europe. Lowest, 29.9 ins. and less in a shallow depression lying off the Portuguese coasts, and also (apparently) in another system over Greece and Asia Minor, 30.0 ins. and less in an exceedingly shallow system in the Channel and north of France. Last-mentioned depression filling up later, barometer rising slowly in all parts of north-western Europe, but steady fall observed over Portugal.

Thursday, 5th April.

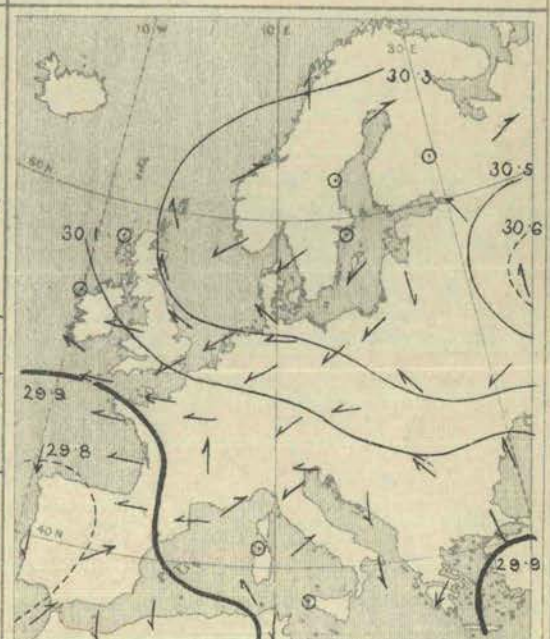
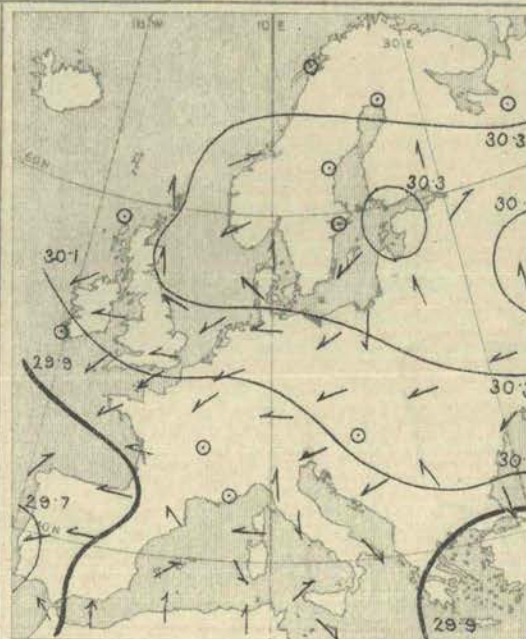
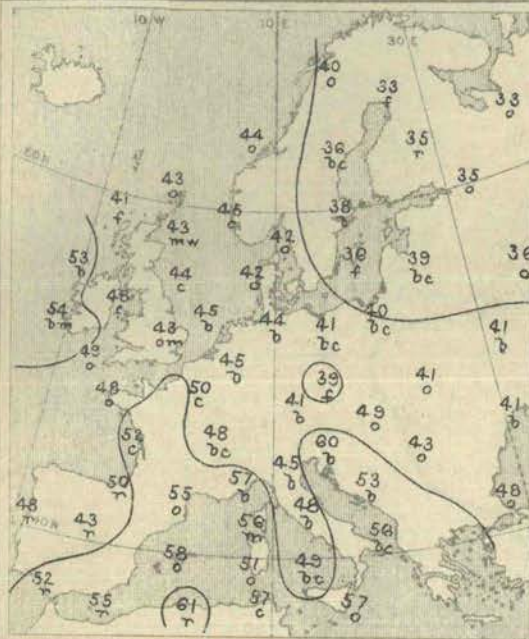
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather in morning fine and bright over the greater part of Europe, England, and Ireland, but dull or foggy at several of our own stations, as well as over Scandinavia and Russia, rainy over Algeria and Spain and also at Kuopio. Rain falling later over the Azores, the south of Spain and Portugal, the west of France, Brittany, the south-western parts of the British Isles, and at Bodø, but fog clearing in most places. Solar halo seen again in London in afternoon.

Temperature highest, 61° at Algiers, 60° at Sfax and Trieste; exceeding 50° at most of the coast stations in southern Europe, as well as at Jersey and on the south and west coasts of Ireland. Lowest, 23° at Haparanda and Archangel, 33° at Kuopio and Hango, 36° at Helsingfors and Moscow. Rising later to a little above 60° in the south-east of England, to 64° at Parsonstown and Valencia, 65° at Brussels, and 70° or more over the inland and eastern parts of France, as well as over central Italy.

Wind light to moderate in force and Easterly (North-East to South-East) in direction over central and western Europe generally, but Southerly over Algeria and Tunis, South-Westerly at Palma, South-Easterly in the south-west of Spain, very variable, but mainly Northerly, on the eastern side of the Mediterranean. Freshening from the Eastward later over the southern parts of the British Isles and the Channel, and becoming Northerly on the Portuguese coast.

Barometer highest, 30.5 ins. and more to 30.3 ins. in an anticyclone having its centre near Moscow, and spreading thence across Scandinavia and the North Sea to our own north-east coasts. Lowest, 29.7 ins. and less over the south-western parts of the Spanish Peninsula; 29.9 ins. and less over Greece, the southern parts of European Turkey and Asia Minor. Falling over the Azores and western Europe during day, but rising over northern Europe; depression spreading over the Iberian Peninsula from the Atlantic.

Friday, 6th April.

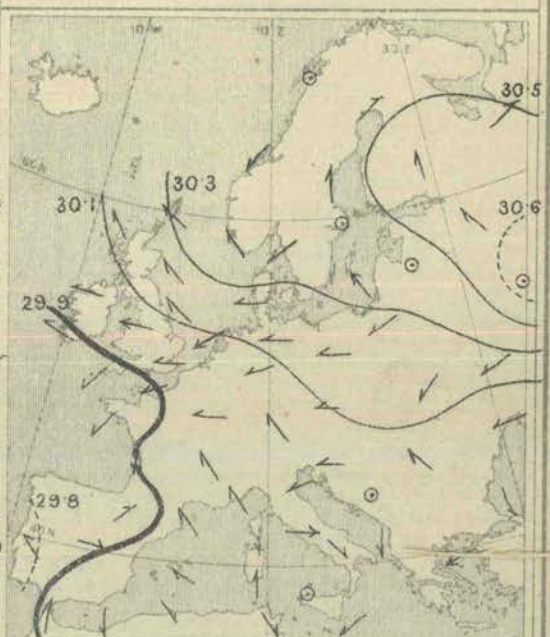
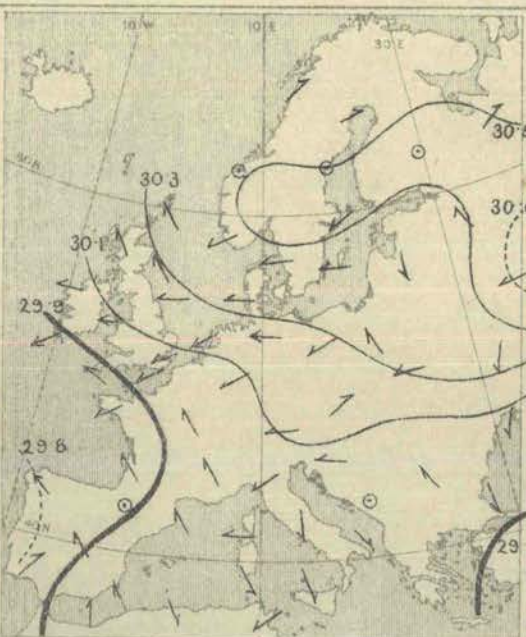
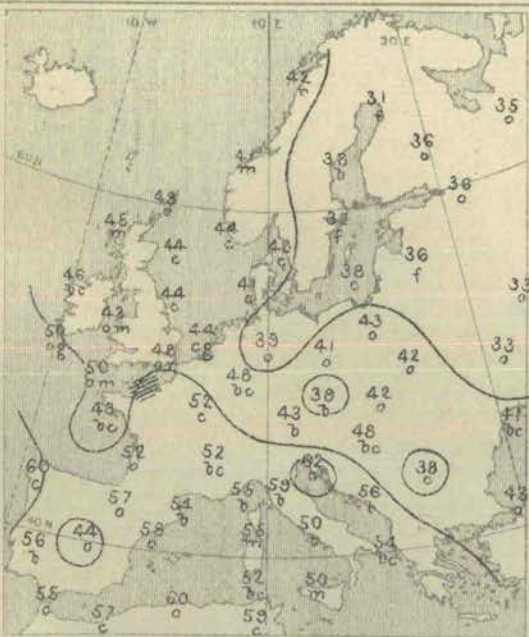
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather in morning fine and bright over southern Europe, as well as at many stations in Germany, Austria, the south of Russia, and the extreme north-west of our Islands; cloudy or overcast, as a whole, elsewhere, rainy in many parts of the United Kingdom, the north-east of France, and the extreme north of Norway. Heavy rain falling subsequently at Lisbon and Palma, and a moderate amount at Bodø, very slight falls in the west of the British Islands. Thunder occurring at Brest and lightning seen at Biarritz.

Temperature changing fitfully. Morning readings highest, 66° at Algiers, Cornana, and Bilbao, and exceeding 50° over the Mediterranean and France, and touching 50° at our extreme south-western stations; exceeding 40° over the whole of the British Islands and the eastern shores of the North Sea. Lowest, 31° at Haparanda, 32° at Stockholm and Hango, 33° at Moscow and Kiev. Maximum readings falling short of 60° over Great Britain and Ireland, but touching 67° at Jersey. Thermometer exceeding 70° at several of the French and Belgian stations, the highest readings of all being 77° at Havre and 76° at Paris.

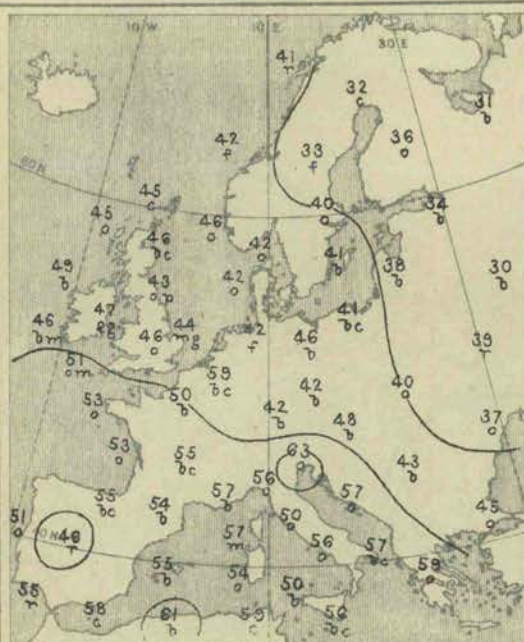
Wind South-Westerly at the extreme northern stations; calm over Finland and the greater part of Scandinavia; Easterly (North-East to South-East) over the Baltic, central and western Europe, and blowing a fresh to strong breeze at most of the stations in the British Islands; Southerly over Algeria, South-Westerly in the south-west of Spain. The Easterly wind moderating in the south of our Islands later, no important change occurring elsewhere.

Barometer highest, 30.6 ins. and more over central Russia, and exceeding 30.2 ins. over northern and eastern Europe generally, as well as over Scotland. Lowest, about 29.8 ins. on the Portuguese coast; and below 29.9 ins. over Asia Minor. Gradients moderate to slight. Very little change reported later.

Saturday, 7th April.

Temperature and Weather.

8 a.m.

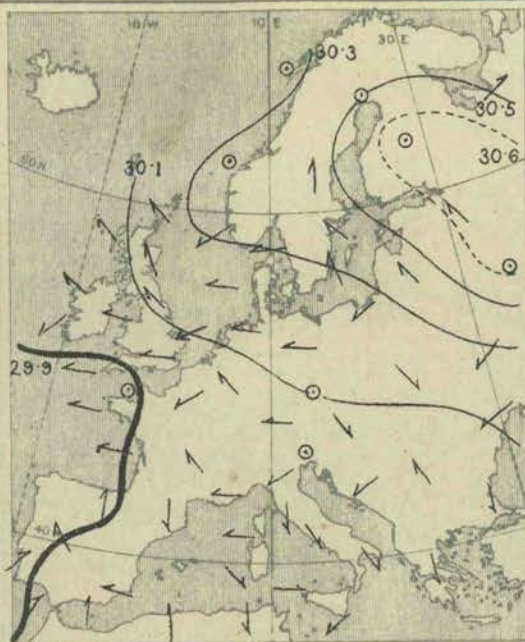


Weather cloudy and misty over the greater part of our Islands, but fine in the north and east of Scotland. Fine and bright at most of the French, German, Austrian, and Russian stations, but dull in other parts of the Continent; fog reported in some parts of Scandinavia, and rain at Bodø, as well as at Madrid. Sky clearing later in many parts of the United Kingdom, but a little rain falling at several of our western and northern stations, as well as in Spain and the west of France. Thunderstorm occurring at Biarritz in evening.

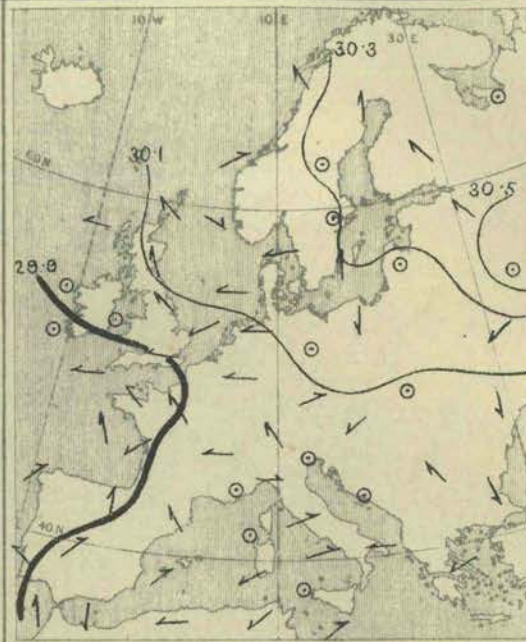
Temperature changed little and irregularly. Morning readings highest, 68° at Trieste, 61° at Algiers, 60° at Barcelona, and 59° at Brussels, La Calle, and Patras; above 55° at most of the Mediterranean stations, and above 50° over France and the English Channel. Lowest, 30° at Moscow, 31° at Archangel and Helsingfors, 32° at Haparanda, and 33° at Hernösand; lowest in our Islands, 43° at Shields and Spurn Head. Daily maxima below 50° on most parts of our north and east coasts, but thermometer reaching 67° at Jersey and in London, and 68° in Cambridge. Exceeding 70° in France and Belgium, and rising to 75° at Paris and Biarritz; remaining below 70° in Spain and Italy.

Barometer and Wind.

8 a.m.



6 p.m.



Wind Easterly over Ireland, England, Denmark, the Netherlands, Germany, and the greater part of France; light or moderate in force generally, but fresh on the Norfolk coast. Southerly or South-Easterly in Scotland; calm or light and variable over the northern parts of Scandinavia and Russia, but North-Easterly in the south of the latter country. Variable in Austria; light from the Northward or North-Westward in Italy. Southerly or South-Easterly over Spain and the Bay of Biscay. No important change occurring during day.

Barometer highest, 30.6 ins. and upwards over the northern parts of Russia; 30.1 ins. and upwards in an anticyclone covering the whole of northern and central Europe, and extending westwards as far as our own north-east coasts. Lowest, 29.8 ins. and less in a shallow depression lying over the Bay of Biscay and the western parts of the Spanish Peninsula. Barometer falling later in most places, and depression spreading north-eastwards towards the south of our Islands.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b— = blue sky; —c— = detached clouds; —o— = overcast; —m— = misty (hazy); —f— = foggy; —q— = squally; —r— = rain; —h— = hail; —s— = snow; —l— = lightning; and —t— = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Although the general distribution of pressure during this week has been mainly anticyclonic, and the system has extended thence in a "ridge" over our Islands, the distribution in the last-named regions and France has, nevertheless, been of a more complex character than for some time past. Showers have occurred on several occasions, especially over the northern, western, and south-western parts of the Kingdom, and heavy rain has fallen over the Iberian Peninsula and many parts of Algeria. Thunder has been reported over England, lunar and solar halos have appeared at times, some of a very complex character, but, as a whole, the weather has been dry, often foggy, but very fine for the time of year. The day temperatures have been high, the nights cold.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 80.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	14.9	?	16	?	EASTBOURNE	47.1	?	52	?
OSWALDKIRK (Yorkshire)	28.8	?	32	?	MANCHESTER (Oldham Road)	32.3*	?	35*	?
WORKSOP	29.0	+ 3.0	32	+ 3	TENBY	60.5*	?	66*	?
THURCASTON (Leicestershire)	39.1	+14.8	43	+17	NEWQUAY	43.1	?	47	?
MARGATE	43.7	?	47	?	TORQUAY	47.4*	?	52*	?
WESTBOURNE (Sussex)	53.3*	?	61*	?	ARLEY COTTAGE (County Cavan)	27.6	?	30	?
BRIGHTON	43.4	?	48	?	GUERNSEY	54.4*	?	60*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 15.]
Third Series.

WEEK ENDING SATURDAY, 14TH APRIL, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 86.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	67	31	55.0	40.9	47.6	5 above.	Day-deg. 44	Day-deg. +26	Day-deg. 3	Day-deg. -19	Day-deg. 233*	Day-deg. +111	Day-deg. 437*	Day-deg. -42
	1. SCOTLAND, EAST	69	33	54.1	39.7	46.5	4 above.	41	+15	6	-17	252	+65	516	-5
	2. ENGLAND, N.E.	72	36	55.3	41.1	47.9	5 above.	45	+21	3	-17	296	+112	417	-55
	3. ENGLAND, EAST.	77	31	61.8	41.2	51.0	6 above.	66	+33	2	-18	408	+183	448	-81
	4. MIDLAND COUNTIES.	76	31	60.9	41.5	50.8	6 above.	64	+30	1	-19	419	+163	439	-79
	5. ENGLAND, SOUTH	76	32	61.1	45.1	52.7	7 above.	75	+39	0	-13	441	+174	300	-101
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	35	55.0	43.2	48.8	5 above.	48	+21	0	-15	294	+107	316	-66
	7. ENGLAND, N.W.	70	37	59.2	43.9	51.2	6 above.	64	+36	0	-15	385	+198	286	-108
	8. ENGLAND, S.W.	71	30	58.0	44.2	50.8	5 above.	62	+30	0	-10	464	+181	228	-73
	9. IRELAND, NORTH	62	37	54.1	44.7	49.2	4 above.	50	+18	0	-13	375	+110	313	-25
	10. IRELAND, SOUTH	63	33	54.7	45.3	50.0	4 above.	56	+20	0	-10	491	+139	208	-57
	—CHANNEL ISLANDS	69	38	57.8	46.6	51.9	4 above.	69	+33	0	-2	564	+199	94	-17

DISTRICTS. (See p. 86.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of in. 2	10ths of ins. 4 less.	71	-2	Ins. 21.3	29	-2	30	-2	244	+37	28	+5	
	1. SCOTLAND, EAST	3	3	2 less.	62	+5	11.4	23	-3	23	-4	338	+79	36	+8	
	2. ENGLAND, N.E.	3	2	3 less.	57	+4	5.7	31	+2	33	+3	361	+113	34	+11	
	3. ENGLAND, EAST.	3	4	0 (average)	51	-1	4.8	42	+8	45	+9	428	+128	40	+14	
	4. MIDLAND COUNTIES.	3	5	0 (average)	59	+9	6.4	35	+5	37	+6	379	+117	35	+12	
	5. ENGLAND, SOUTH	3	2	2 less.	53	+4	6.6	49	+12	52	+12	449	+131	39	+14	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	9	3 more.	74	+13	19.9	12	-22	12	+23	309	+49	29	+6	
	7. ENGLAND, N.W.	5	4	0 (average)	63	+6	10.4	24	-7	25	-6	311	+89	32	+10	
	8. ENGLAND, S.W.	4	4	2 less.	62	+5	11.1	43	+3	46	+4	440	+97	38	+10	
	9. IRELAND, NORTH	7	13	8 more.	74	+9	13.9	11	-21	11	-21	306	+56	30	+6	
	10. IRELAND, SOUTH	7	19	13 more.	72	+12	13.1	20	-17	22	-17	348	+30	32	+4	
	—CHANNEL ISLANDS	5	6	1 more.	64	+1	8.6	49	+7	52	+7	482	+112	46	+12	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather varied considerably in different parts of the Kingdom; in the extreme west and north-west it was dull, with considerable falls of rain, but in the more southern and eastern districts it continued fine and dry, as a rule, although showers were experienced during the middle and latter part of the period, accompanied by thunder and lightning in some localities.

Temperature continued above the mean, the excess ranging from 4° in the Irish districts and the Channel Islands, as well as in Scotland E., to 7° in England S. The highest of the maxima were recorded either on the 8th or 11th, and ranged from 77° in England E., 76° in the Midland Counties and England S., to 66° in Scotland W., 63° in Ireland S., and 62° in Ireland N. The lowest of the minima were registered on rather irregular dates; they ranged from 30° in England S.W., and 31° in Scotland W., the Midland Counties, and England E., to 28° in the Channel Islands.

Rainfall was greatly in excess of the normal over Ireland and rather so in Scotland W. and the Channel Islands; in England E., the Midland Counties, and England N.W. the fall was just equal to the mean, while elsewhere there was a decided deficit.

Bright Sunshine was again very prevalent over the greater part of England, but showed a great decrease in Ireland and Scotland. The percentage of the possible duration ranged from 52 in England S. and the Channel Islands, 46 in England S.W., and 45 in England E., to 25 in England N.W., 22 in Ireland S., 12 in Scotland W., and 11 in Ireland N.

Barometer and Wind.—During the earlier part of the week depressions moving northwards and north-eastwards skirted our extreme western and north-western coasts, causing moderate Southerly to South-Easterly winds over the whole Kingdom. As the week progressed, however, shallow disturbances advanced over our south-western districts, and, travelling slowly north-eastwards, caused variable winds and less settled weather over England. At the end of the week a rather deep depression was approaching the west of Ireland from the Atlantic, and Southerly winds, strong to a gale in force, prevailed at all our western stations; elsewhere, moderate Southerly to South-Easterly winds were general.

II.—DATA from which the SUMMARY on page 85 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	54	37	50.1	41.0	45.3	+ 4.7	27	3	0.02	-0.48	*	*	*	*
	Stornoway	59	36	52.9	41.4	46.9	+ 4.6	37	2	0.05	+0.02	32.2	- 1.8	33	- 2
	Wick	56	41	41.9	42.3	46.9	+ 4.7	34	0	0.05	-0.33	*	*	*	*
	Lairg	62	31	57.7	34.3	45.4	+ 3.8	56	22	0.03	-0.50	*	*	*	*
	Glencarron	67	36	59.3	41.2	49.3	+ 7.8	58	2	0.11	-0.90	*	*	*	*
	Fort Augustus	67	37	56.9	42.3	49.3	+ 6.4	51	0	0.08	-0.39	27.2	?	28	?
	Fort William	63	42	56.1	43.7	49.6	+ 5.5	53	0	0.45	-0.42	28.5	?	30	?
1. SCOTLAND, E.	Nairn	63	33	58.1	39.3	48.3	+ 5.2	55	8	0.06	-0.24	*	*	*	*
	Aberdeen	59	39	51.9	40.9	46.1	+ 3.3	33	3	0.16	-0.35	28.9	- 3.1	30	- 4
	Braemar	58	33	49.8	37.0	43.1	+ 3.4	29	14	0.33	-0.22	22.5	?	23	?
	Ochertyre	63	37	53.1	41.0	46.8	+ 3.9	38	3	0.06	+0.11	*	*	*	*
	Leith	63	35	55.4	40.0	47.3	+ 3.1	46	6	0.02	-0.36	*	*	*	*
	Marchmont	69	34	56.0	39.9	47.6	+ 5.6	48	6	0.27	-0.30	25.8	?	27	?
2. ENGLAND, N.E.	Alnwick Castle	61	36	53.1	39.4	46.9	+ 3.9	38	7	0.10	-0.42	*	*	*	*
	Durham	66	36	57.2	39.4	47.9	+ 4.8	52	7	0.07	-0.43	30.2	+ 4.2	32	+ 5
	Shields	65	37	53.4	40.0	46.4	+ 3.2	39	6	0.02	-0.40	*	*	*	*
	Scarborough	67	39	55.4	41.8	48.3	+ 4.5	45	1	0.03	-0.45	*	*	*	*
	York	72	40	60.6	42.1	50.9	+ 6.2	62	0	0.69	+0.29	*	*	*	*
3. ENGLAND, E.	Spurn Head	62	41	52.1	43.6	47.7	+ 4.2	40	0	0.26	-0.08	*	*	*	*
	Hillington	72	35	63.5	41.3	51.9	+ 7.0	72	2	0.84	+0.43	37.9	+5.9	40	+ 6
	Yarmouth	62	42	53.4	44.4	48.7	+ 5.1	47	0	0.61	+0.21	*	*	*	*
	Geldeston	69	31	61.8	38.4	49.5	+ 4.6	68	10	0.44	+0.07	43.9	+ 7.1	47	+ 8
	Cambridge	77	36	67.4	42.0	54.1	+ 8.6	85	0	0.08	-0.30	44.0	+ 9.7	47	+12
4. MIDLAND COUNTIES	Rothamsted	71	33	63.1	39.9	50.9	+ 6.4	71	6	0.21	-0.27	43.5	?	46	?
	Bawtry (Hesley Hall)	74	37	59.9	40.7	49.8	+ 4.9	60	4	0.99	+0.61	*	*	*	*
	Loughborough	76	38	63.1	42.0	52.1	+ 6.5	71	0	0.09	-0.33	*	*	*	*
	Stamford (Ketton Hall)	74	31	63.0	39.7	50.8	+ 5.3	71	6	0.03	-0.43	*	*	*	*
	Cheadle	69	39	58.4	42.3	50.0	+ 6.6	56	0	0.43	-0.07	*	*	*	*
	Churchstoke	69	39	59.4	41.7	50.1	+ 6.7	58	1	0.37	-0.05	28.7	- 2.4	31	- 1
	Hereford	69	41	61.6	43.4	52.1	+ 6.7	71	0	1.17	+0.75	*	*	*	*
	Cirencester	67	33	59.7	39.7	49.2	+ 5.1	60	6	0.48	-0.02	36.0	+ 4.2	38	+ 4
	Oxford	70	36	62.4	42.3	51.9	+ 6.4	69	0	0.10	-0.32	44.5	+12.3	47	+13
5. ENGLAND, S.	London	76	39	67.1	44.4	55.2	+ 8.6	92	0	0.12	-0.31	40.3	+12.4	49	+14
	North Foreland	63	43	57.0	47.1	51.8	+ 7.1	69	0	0.15	?	*	*	*	*
	Strathfield Turgiss	70	34	63.7	41.3	52.0	+ 6.3	73	2	0.23	-0.20	*	*	*	*
	Dungeness	64	43	59.3	46.1	52.4	+ 7.3	73	0	0.06	-0.35	*	*	*	*
	Hastings (St. Leonards)	67	45	60.7	48.7	54.4	+ 7.9	87	0	0.18	-0.29	53.5	+15.5	57	+16
	Southampton	71	40	62.9	44.7	53.4	+ 6.7	80	0	0.35	-0.14	45.2	+ 8.0	48	+ 8
	Hurst Castle	64	41	57.9	47.0	52.2	+ 6.5	71	0	0.32	-0.08	*	*	*	*
	Stowell	68	32	59.8	41.4	50.2	+ 5.0	60	2	0.40	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	63	40	57.9	43.6	51.5	+ 6.8	67	0	0.69	-0.29	*	*	*	*
	Glasgow	62	36	53.5	42.6	47.8	+ 4.2	41	0	0.77	+0.24	9.9	-18.1	10	-19
	Ardrossan	63	35	52.9	41.6	47.0	+ 2.4	37	1	0.77	+0.26	*	*	*	*
	Glenlee	66	35	56.6	41.2	48.5	+ 5.8	49	2	1.14	+0.45	*	*	*	*
	Douglas (Isle of Man)	60	42	53.9	45.2	49.3	+ 5.0	51	0	1.16	+0.59	13.4	-26.3	14	-27
7. ENGLAND, N.W.	Stonyhurst	66	37	57.5	42.0	49.4	+ 5.2	52	0	0.58	0.00	28.5	- 1.6	31	- 1
	Blackpool	69	39	60.1	42.0	50.6	+ 5.8	60	0	0.24	-0.18	18.6	-13.3	20	-13
	Manchester (Prestwich)	70	38	59.4	42.7	50.7	+ 6.3	61	0	0.36	-0.12	22.7	?	24	?
	Liverpool Obs. (Bidston)	70	40	60.6	44.6	52.2	+ 6.6	71	0	0.43	+0.06	*	*	*	*
	Llandudno	69	43	60.6	45.6	52.7	+ 6.6	75	0	0.49	+0.06	25.4	- 4.6	27	- 4
	Holyhead	65	43	57.0	46.4	51.5	+ 5.6	67	0	0.59	+0.05	*	*	*	*
8. ENGLAND, S.W.	Llandovery	71	40	61.3	44.6	52.6	+ 8.1	74	0	0.26	-0.41	*	*	*	*
	Pembroke	59	45	62.9	46.1	49.3	+ 3.8	51	0	0.31	-0.15	40.7	- 0.3	43	0
	Bristol (Montpelier)	68	40	62.0	45.2	53.2	+ 7.5	78	0	0.34	?	*	*	*	*
	Arlington (N. Devon)	65	33	58.6	43.4	50.6	+ 6.4	60	0	0.56	-0.10	*	*	*	*
	Cullompton	66	30	60.3	41.1	50.2	+ 4.7	61	3	0.45	-0.13	32.7	- 0.5	35	0
	Falmouth	58	40	56.2	44.5	50.1	+ 3.4	57	0	0.49	-0.22	46.3	+ 7.3	49	+ 8
	Plymouth	63	33	57.6	43.9	50.4	+ 2.9	59	0	0.62	+0.05	45.4	+ 7.2	48	+ 8
	Prawle Point	58	39	55.0	44.9	49.7	+ 4.4	51	0	0.26	-0.24	*	*	*	*
9. IRELAND, N.	Malin Head	55	41	52.1	45.3	48.5	+ 3.5	46	0	0.75	?	*	*	*	*
	Londonderry	60	41	55.9	45.6	50.5	+ 4.8	60	0	1.00	+0.48	*	*	*	*
	E. tenfel (Omagh)	58	37	54.7	45.6	48.9	+ 4.5	48	0	1.36	+0.36	*	*	*	*
	Balmullet	59	42	53.0	46.0	49.3	+ 1.8	51	0	0.67	?	*	*	*	*
	Markree Castle	59	39	55.5	43.8	49.4	+ 4.7	52	0	2.12	+1.54	13.0	-21.2	13	-22
	Brookeborough	58	40	53.8	44.7	49.0	+ 5.1	49	0	1.73	+1.15	*	*	*	*
	Armagh	62	39	55.6	44.6	49.8	+ 5.7	55	0	1.14	+0.65	16.5	-19.5	11	-20
	Doughadee	56	44	51.7	45.4	48.4	+ 3.7	45	0	0.95	+0.60	*	*	*	*
10. IRELAND, S.	Edgeworthstown	60	38	54.4	43.4	48.6	+ 4.9	46	0	1.89	+1.54	*	*	*	*
	Dublin	63	44	57.2	46.9	51.8	+ 5.8	69	0	1.10	+0.62	17.4	-18.3	19	-19
	Parsonstown	60	39	55.1	44.4	49.5	+ 4.3	53	0	1.46	+0.98	17.4	-17.9	19	-19
	Kilkenny	59	42	54.1	40.9	49.8	+ 4.1	55	0	1.54	+1.02	*	*	*	*
	Waterford	57	42	53.7	45.8	49.6	+ 3.0	53	0	1.87	+1.25	*	*	*	*
	Roche's Point	55	40	52.7	46.4	49.4	+ 2.2	52	0	1.80	+1.05	*	*	*	*
	Valencia	57	37	54.1	45.6	49.7	+ 2.2	54	0	3.23	+2.36	25.6	-13.2	27	-14
	Killarney	59	33	55.1	44.1	49.3	+ 2.4	51	0	2.69	?	*	*	*	*
CHANNEL ISLANDS	Foynes	61	41	55.7	45.8	50.5	+ 3.9	60	0	1.57	?	*	*	*	*
	Scilly (St. Mary's)	58	44	55.4	47.7	51.4	+ 3.4	66	0	0.70	+0.18	33.4	?	42	?
	Jersey	69	38	60.1	45.4	52.4	+ 4.1	73	0	0.50	0.00	49.6	+ 6.6	53	+ 7

Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *s* with the Scottish Meteorological Society.

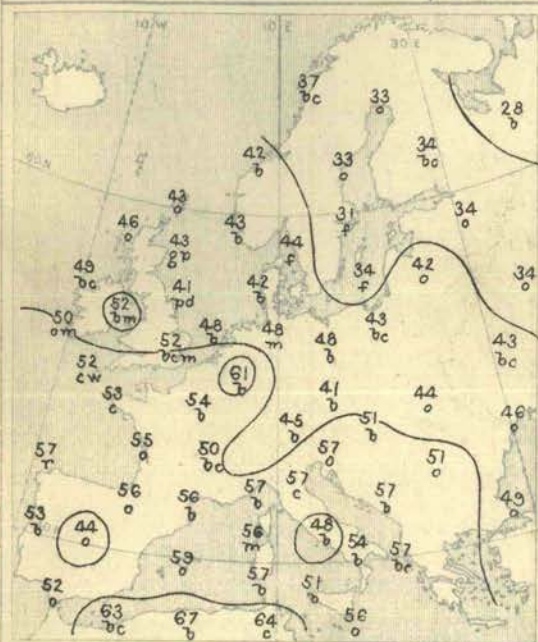
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bumhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 8th April.

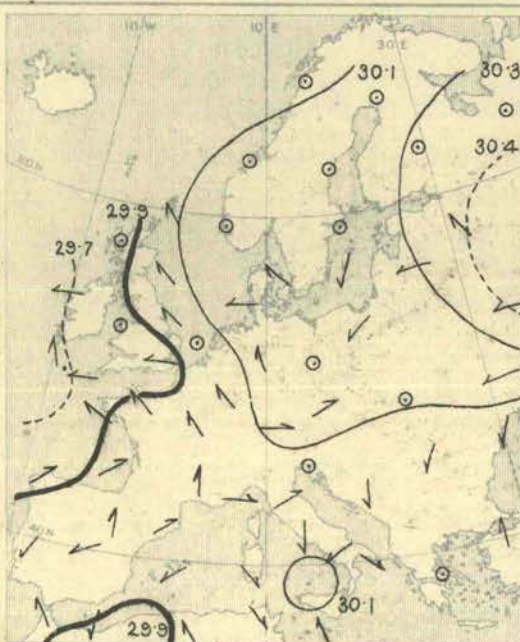
Temperature and Weather.

8 a.m.

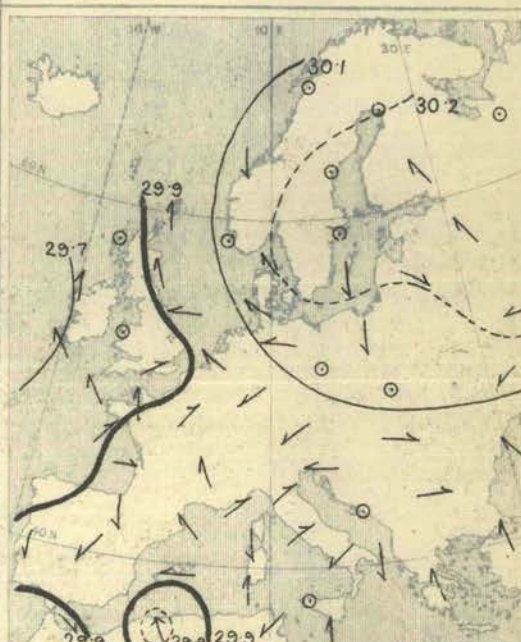


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Wales and the south and south-east of England, but dull in other parts of our Islands, with mist or fog in many places, and with showers on our north-east coasts. Fine and bright over the central parts of the Continent generally, as well as in Norway and Italy, foggy in the south of Scandinavia; dull in Russia, and also in Spain and the west of France, with rain at Lorient and Corunna. A little rain falling later in the west and north of our Islands generally, and a considerable quantity at Madrid; a mock sun seen at Wimbledon at about 6 p.m.

Temperature changed very irregularly. Morning readings highest, (1) 67° at Algiers, 64° at La Calle, and 63° at Oran; (2) 62° at the North Foreland, 61° at Brussels, and 59° at Cape Gris Nez. Lowest, 28° at Archangel, 31° at Stockholm, and 33° at Haparanda and Hernösand; below 40° over Sweden and the northern and central parts of Russia generally. Daily maxima below 50° on our north and north-east coasts, and below 60° at most of our western stations, but thermometer rising as high as 75° at Cambridge and Paris, 76° in London and at Brussels, and 81° at Dunkirk.

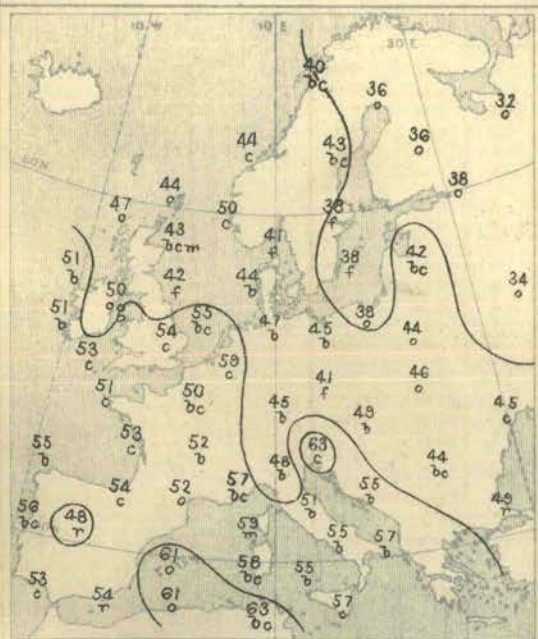
Wind light to moderate from the South-Eastward or Eastward over our Islands, Denmark, the Netherlands, and the northern parts of France. Calm over the greater part of Scandinavia; light from the Eastward in Russia; variable over central and southern Europe and the Mediterranean. Subsequently falling light and variable in the south-east of England; no important change occurring elsewhere.

Barometer highest, 30.4 ins. and upwards over central Russia, 30.1 ins. and upwards in an anticyclone covering all the more northern and central parts of the Continent, and extending westwards over the greater part of the North Sea. Lowest, 29.3 ins. and less in a shallow depression lying to the south-westward of our Islands. Depression subsequently spreading northward and eastward, and barometer falling in all parts of the United Kingdom; small shallow disturbance moving north-eastward across the Channel and the south-east of England.

Monday, 9th April.

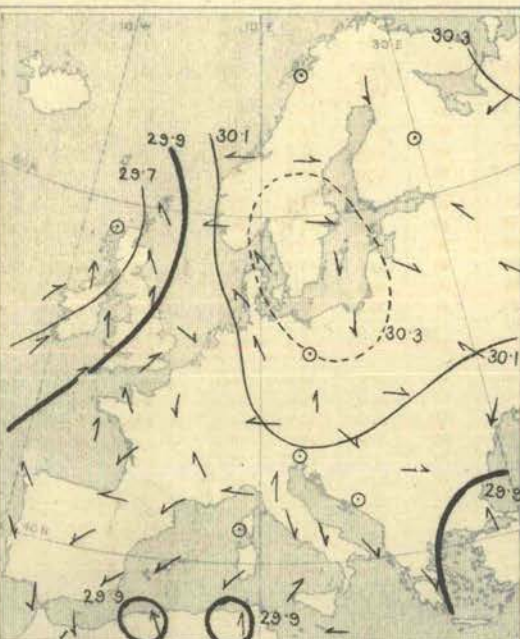
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but foggy at several of our own northern stations, as well as over the Baltic and the north of Denmark; dull in Wales, central Ireland, and the south-west of England, with rain at Parsonstown. Dull also at the Russian and several of the Spanish stations, and rainy at Madrid. Showers falling later in Ireland and the west and north of Scotland generally, and heavy rain at Valencia, as well as in Algeria. Thunderstorm occurring at Biarritz in evening.

Temperature fallen a little over central Europe, risen in most other regions. Morning readings highest, (1) 63° at Trieste, La Calle, and Sfax, and 61° at Palma and Algiers; (2) 59° at the North Foreland and Brussels, and 55° at Cambridge and Yarmouth (above 50° over the southern parts of our Islands generally). Lowest, 30° at Hango, 32° at Archangel, and 34° at Moscow, and below 40° in many parts of Sweden and Russia. Rising during day to 60° or more in several parts of Great Britain, and reaching 63° in London and at Cambridge; exceeding 70° in France and several parts of southern Europe.

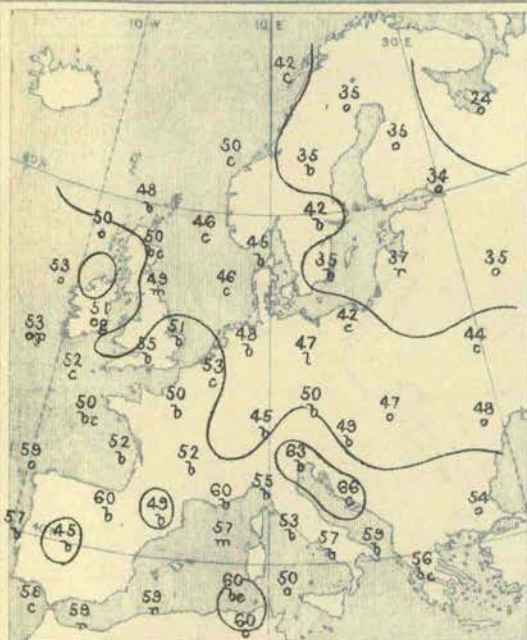
Wind Southerly over our Islands, and fresh in force at some of our western stations. South-Easterly in Denmark and Easterly in the west of Norway, but varying between West and North in Sweden. Variable, but chiefly Easterly, over Germany, and also in the south of France, North-Easterly or Northerly in Spain; variable in Italy and Austria. No important change occurring over western Europe during day.

Barometer highest, 30.3 ins. and upwards in the extreme north of Russia, 30.2 ins. and upwards over north Germany, the Baltic, and the south of Sweden. Lowest, 29.6 ins. and less in a depression lying off our extreme north-west coasts; 29.9 ins. and less in a large shallow system over the Black Sea and Asia Minor, and also in two small disturbances over Algeria. Depression in north-west subsequently moving northwards, and barometer rising in most parts of the United Kingdom.

Tuesday, 10th April.

Temperature and Weather.

8 a.m.

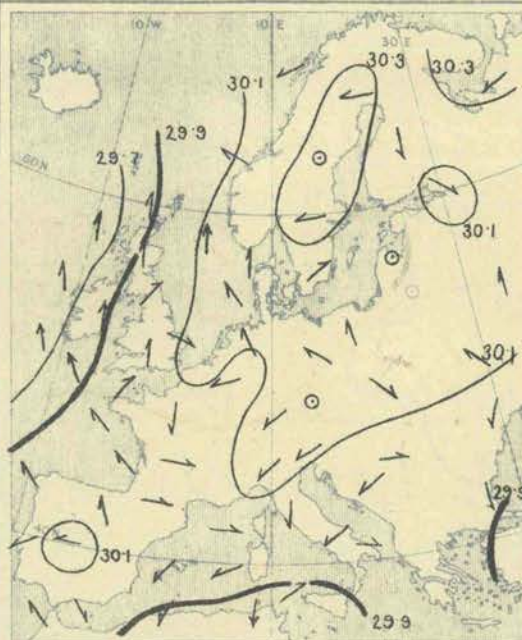


Weather in morning fine and bright over the eastern and central parts of the United Kingdom, as well as over the greater part of the Continent. Cloudy in the west of our Islands, with rain at some of the Irish stations; dull in Russia, as well as in Algeria and the north-west parts of Spain, with rain at Algiers. A little rain falling later in the western and south-western parts of Great Britain; thunderstorm occurring in evening at Jersey, and lightning seen at night in the south of England generally.

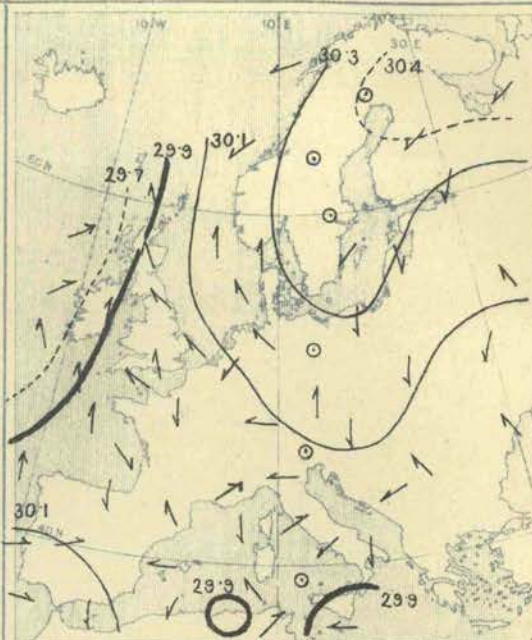
Temperature risen in Ireland and Scotland, changed little and irregularly elsewhere. Morning readings highest, 66° at Barcelona and Lésina, 63° at Trieste and Palma, and 61° at Toulon; above 55° at the Mediterranean stations generally, as well as on the coasts of Spain and the Channel Islands. Lowest, 24° at Archangel, 33° at Uleaborg, and 34° at St. Petersburg; below 40° in most parts of Sweden and Russia. Rising during day to 65° or more at several of the English stations, and reaching 73° in London and at Cambridge. Exceeding 75° in many parts of France, but remaining below that point in Spain and Italy.

Barometer and Wind.

8 a.m.



6 p.m.



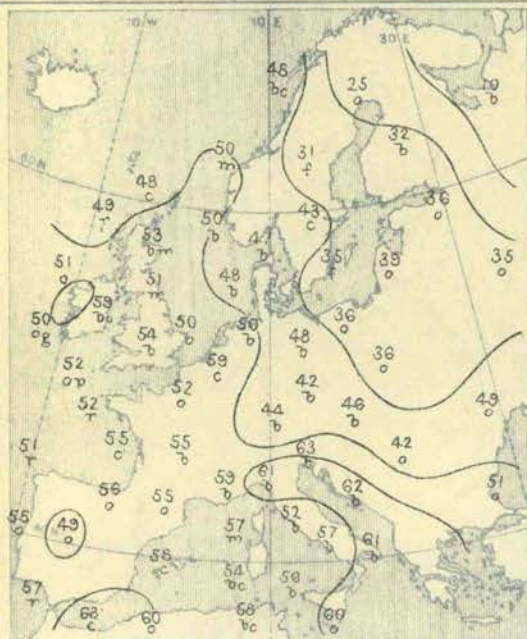
Wind Southerly over the greater parts of our Islands, and fresh to strong in force on our western coasts, but Easterly at some of the Channel stations. South-Easterly on the eastern shores of the North Sea and also in the west of France; variable over the central and southern parts of France, as well as in Spain and Italy; moderate from the Northward in Algeria. Light from the Northward or North-Westward over Finland and also in Austria; North-Easterly in the south of Russia. Subsequently shifting to the Northward or North-Westward in the west of France; no important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards over northern Russia, and also over Sweden and the Gulf of Bothnia; 30.1 ins. and upwards in an anticyclone covering the whole of northern and central Europe, as well as in a small area over central Spain. Lowest, 29.6 ins. and less in a depression lying off the west of Ireland. Depression partially filling up during day, but small shallow disturbances beginning to form over France and the Channel.

Wednesday, 11th April.

Temperature and Weather.

8 a.m.

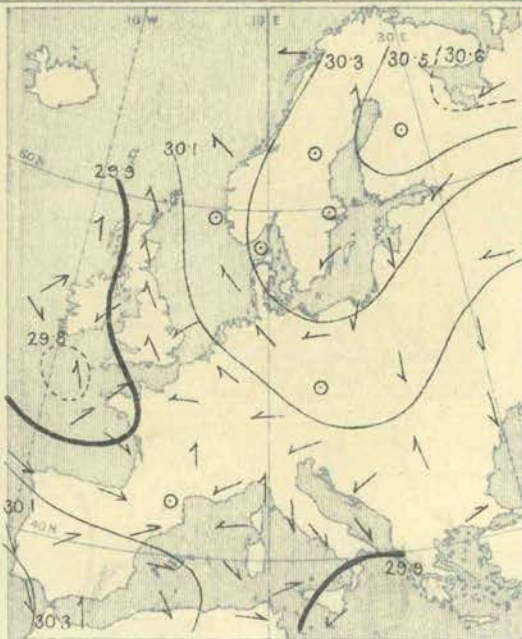


Weather fine over the eastern and central parts of the United Kingdom, as well as over northern Russia, Scandinavia, Denmark, Germany, Italy, and the greater part of France. Dull and unsettled in Ireland, the west of Scotland, the south-west of England, the west of France, and the Spanish Peninsula, with rain in several places. Thunderstorms occurring later over England and the west of Scotland, and considerable amount of rain falling in Ireland, the west of France, and some parts of Spain; weather remaining fine in the north-eastern parts of the United Kingdom.

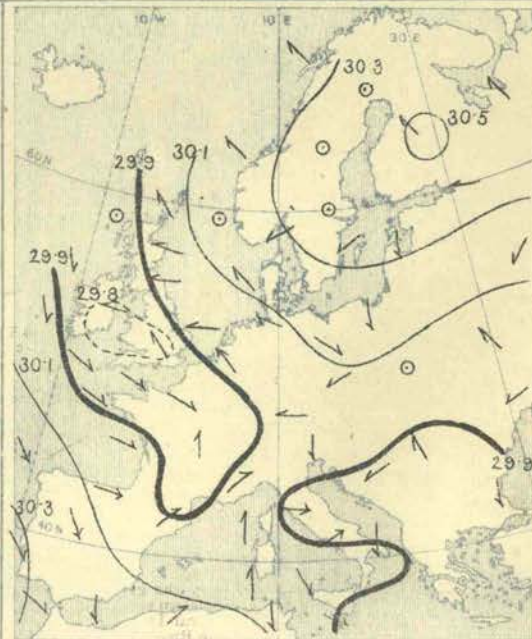
Temperature changed very irregularly. Morning readings highest, (1) 63° at Trieste and Oran, and 62° at several other of the Adriatic and Mediterranean stations; (2) 59° at Holyhead, Jersey, and Brussels, and 58° at the North Foreland and Cape Gris Nez. Above 55° in many parts of western and southern Europe. Lowest, 10° at Archangel, 25° at Haparanda, and 31° at Hérnösand; below 40° at most of the Swedish and Russian stations. Rising during day to 70° or more in several parts of England, France, and Italy, the highest readings of all being 79° at Croisette, 78° at Charleville, and 77° at Cambridge and Paris.

Barometer and Wind.

8 a.m.



6 p.m.



Wind light from the South-Eastward or Southward over the greater part of our Islands, and also on the eastern shores of the North Sea; Easterly over the Netherlands, the extreme south of England, and Northerly in the south of Ireland. Moderate to strong from the Westward or North-Westward over Spain and the south-west of France, rather variable, but chiefly North-Westerly in Italy. Calm in Sweden; light from the Eastward or North-Eastward over the greater part of Russia. Subsequently shifting to the Westward at the Channel stations; no important change occurring elsewhere.

Barometer highest, 30.6 ins. and upwards in an anticyclone lying over northern Russia; 30.3 ins. and upwards in another system lying to the south-westward of Spain. Lowest, 29.8 ins. and less in three depressions, one lying off the west of Scotland, another (a very small system) near the mouth of the English Channel, and the third near Malta. Channel depression subsequently advancing north-eastwards and increasing in size; barometer falling in most parts of the United Kingdom.

Thursday, 12th April.

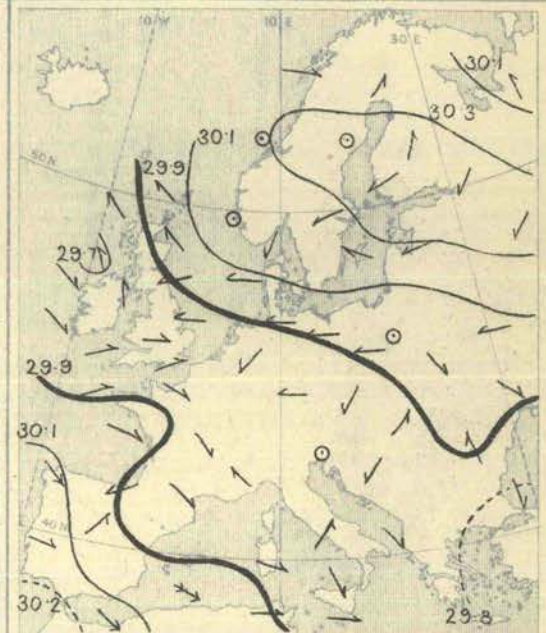
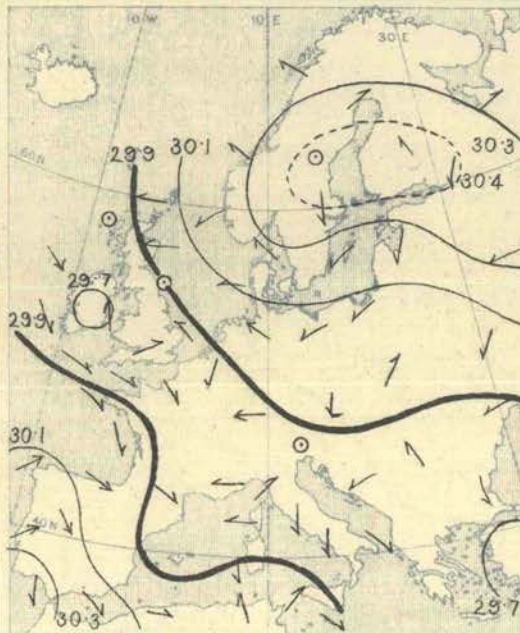
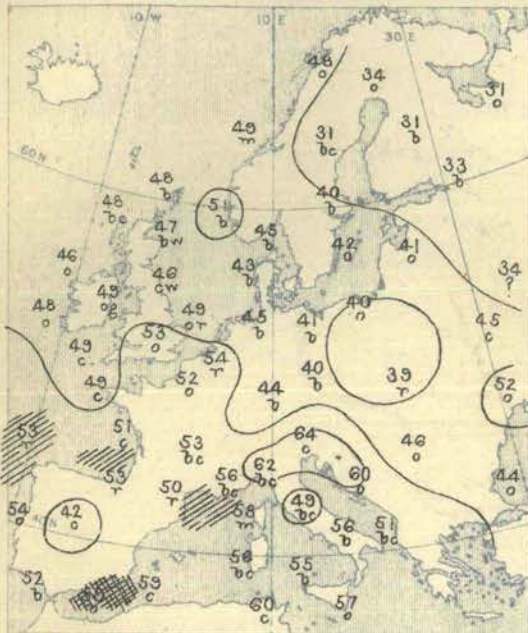
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning cloudy or dull over the greater part of western Europe, with rain in several places. Fine and bright over the northern parts of Scotland, as well as in Scandinavia, Finland, Denmark, Germany, and Italy; dull in Austria and the south of Russia, with rain at Lemberg. Rain falling during day over Ireland, the west of Scotland, and the north and east of England, but weather remaining dry over our southern counties. Solar and lunar halos seen in the south of England. Rain falling in Spain and the west of France. Temperature fallen generally. Morning readings highest, (1) 64° at Trieste, and 62° at Leghorn, Lésina, and La Calle; (2) 54° at Cambridge, and 53° in London. Lowest, 31° at Archangel, Kuopio, and Hornösand, 33° at St. Petersburg, and 34° at Haparanda and Moscow; below 40° over the greater part of Sweden and Russia. Daily maxima below 50° at some of our extreme north-eastern and north-western stations, and below 60° in most other parts of the Kingdom, but thermometer reaching 63° at Nairn and in London, and 64° at Cambridge. Exceeding 65° in the south of France, and exceeding 70° at some of the Italian stations.

Wind moderate to strong from the North-Westward in the west and south of Ireland and also in the west of France, and light or moderate from the Westward over the English Channel. Easterly over the northern and eastern parts of the United Kingdom, as well as over Norway, Denmark, and Germany; light from the North-Eastward over the greater part of Russia; variable in Austria; Northerly or North-Westerly in Italy. Moderate to fresh from the South-Westward in Portugal. Subsequently veering to the South-Eastward in Scotland and the north of Ireland; no important change occurring elsewhere. Barometer highest, 30.4 ins. and upwards in an anticyclone lying over Finland and central Sweden; 30.3 ins. and upwards in another system off the south of Spain. Lowest, 29.7 ins. and less over the St. George's Channel and the east of Ireland; 29.5 ins. and less in a complex depression covering nearly the whole of Ireland, England, and the west of Scotland, as well as in another system over Turkey and Asia Minor. Depression over our Islands filling up gradually during day; barometer rising slightly in most parts of western Europe.

Friday, 13th April.

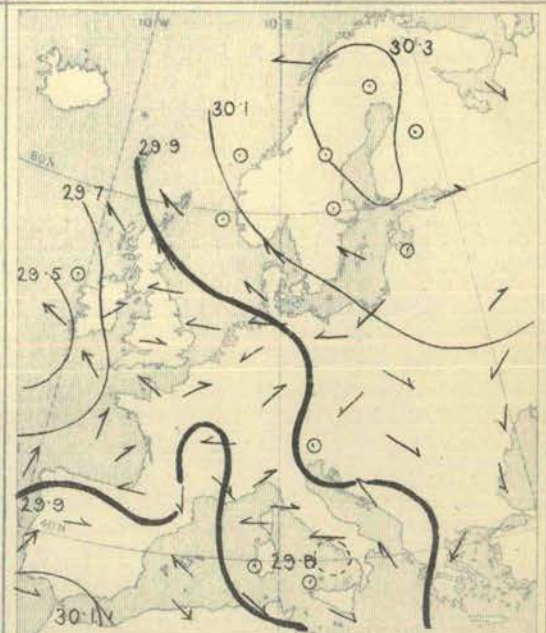
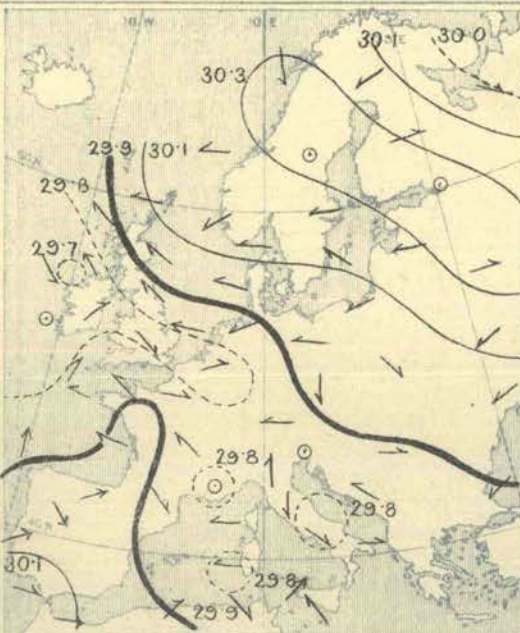
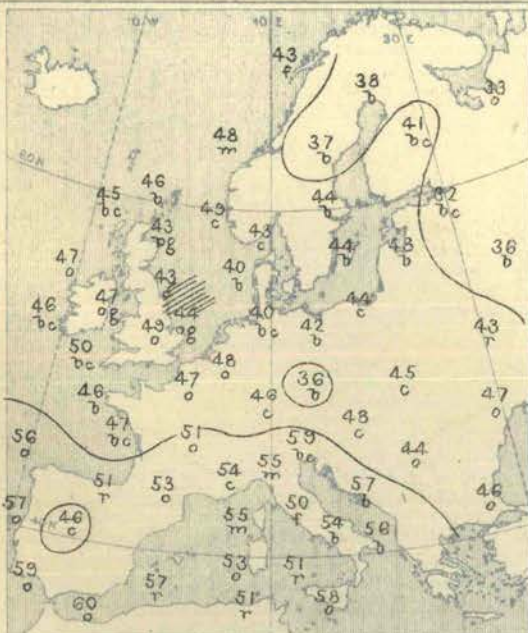
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



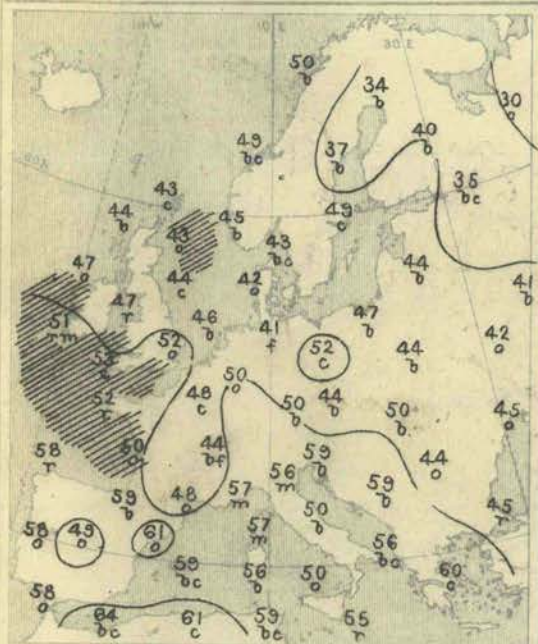
Weather in morning fine in the extreme northern and southern parts of the United Kingdom, but cloudy in the intermediate districts, with rain in places. Fine in Sweden and northern Russia, as well as in many parts of central and southern Europe, but dull in Spain and the south of France, with rain at Biarritz. Heavy rain falling at night in the south of Ireland and the north-west of France, and smaller quantities in the south-west of England, as well as at some of the Spanish and Italian stations. Thunderstorms occurring at Lyons. Temperature fallen generally, but risen in Spain, as well as over Finland, Sweden, and the Baltic. Morning readings highest, 61° at Barcelona, 60° at Nemours and Oran, and 59° at Trieste and San Fernando; above 50° in most of the southern countries and also in the Channel Islands. Lowest, 32° at St. Petersburg, 33° at Archangel, and 36° at Moscow and Kharkov; below 40° in Poland, and below 45° in several parts of Great Britain. Thermometer remaining below 60° all day at most of our own stations, and below 50° on our eastern and north-western coasts. Rising to between 60° and 65° over France and Germany, and reaching 70° or more in some parts of Italy.

Wind light to fresh from the Eastward or South-Eastward over Denmark, Germany, the Baltic, the North Sea, and the northern and eastern parts of our Islands. Variable in the south of Ireland, light from the Westward or North-Westward in the extreme south of England. Light and variable in France, Italy, and Austria, but moderate to strong from between South-West and North-West over the Spanish Peninsula. Subsequently shifting to the South-Eastward on our extreme south-west coasts, and increasing to a gale at night; no important change occurring elsewhere. Barometer highest, 30.3 ins. and upwards in a long band extending from the north of Scandinavia to central Russia; 30.1 ins. and upwards over the south of Spain. Lowest, 29.8 ins. and less in a complex depression stretching across Ireland, Wales, the central and south-eastern parts of England, the Netherlands, and western Germany, and also in three small systems over the south of France, Sardinia, and central Italy. New and rather deep depression approaching the south of Ireland in evening, and barometer falling briskly on our south-western coasts.

Saturday, 14th April.

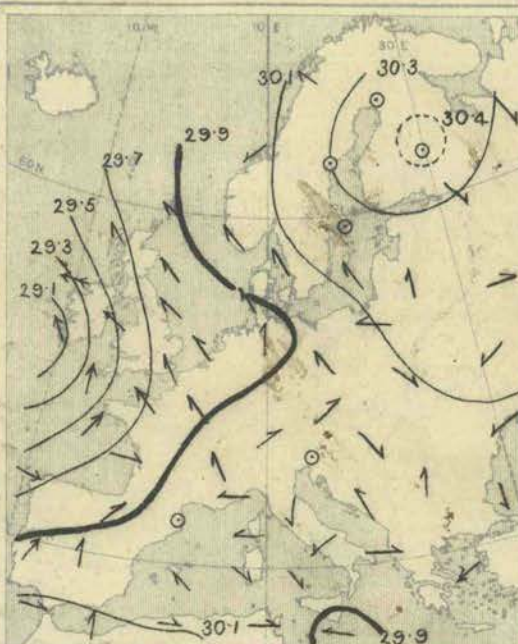
Temperature and Weather.

8 a.m.

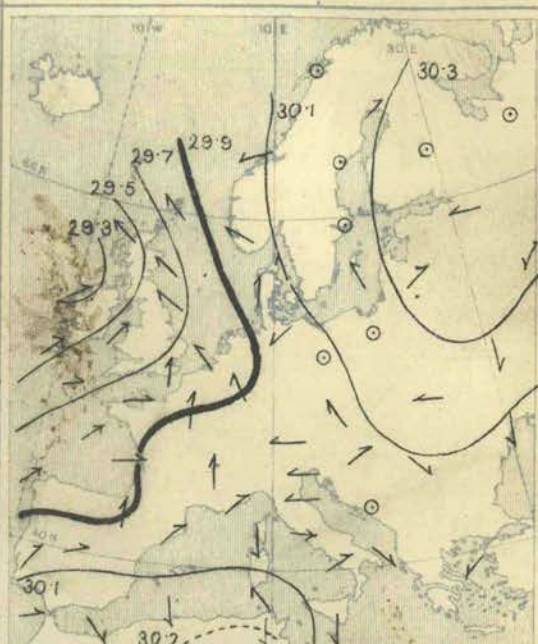


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning dull and rainy in the western and southern parts of the United Kingdom, as well as in the north of France. Fine in most other parts of Europe, but dull over the Spanish Peninsula, and also in Denmark and the south of Sweden, with rain at Corunna and Wisby. Rain falling during day in nearly all parts of the United Kingdom, as well as at some of the French and German stations; amounts mostly slight, but very large at Valencia (Ireland), where a thunderstorm occurred during the ensuing night.

Temperature risen a little in most places. Morning readings highest, 64° at Oran, 61° at Barcelona and Algiers, and 60° at Patras; above 55° at most of the Mediterranean, Adriatic, and Spanish stations, and also in the Channel Islands. Lowest, 30° at Archangel, 34° at Haparanda, 35° at St. Petersburg, and 36° at Kharkov; below 45° at several of our own northern stations. Daily maxima below 55° in many parts of the United Kingdom, and below 50° at some of our north-western and extreme northern stations. Thermometer exceeding 70° in the west and south of France, and also in some parts of Italy.

Wind Easterly or South-Easterly in the northern and eastern parts of the United Kingdom and also over Norway, Denmark, north Germany, and the Baltic; Southerly in the south and south-west of our Islands, as well as over the greater part of France and Spain; strong to a gale in force on our own west and south-west coasts, but light or moderate elsewhere. Calm in Sweden; variable over northern Russia; light from the Eastward or North-Eastward in the south of Russia; variable in Austria and Italy. Subsequently veering to the South-Westward over the southern parts of the United Kingdom; no important change occurring elsewhere.

Barometer highest, 30.3 ins. to 30.4 ins. over Finland and the Gulf of Bothnia; 30.1 ins. and upwards over Algeria and the extreme south of Spain. Lowest, 29.1 ins. and less in a well-marked and rather deep depression lying off the west of Ireland. Depression subsequently moving northwards, and barometer rising in the west and south of our Islands and the west of France.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week a large anticyclone covered the whole of northern and central Europe, while a series of depressions moved northwards outside our own western coasts. The prevailing winds were, therefore, Easterly in the central, but Southerly in the western countries, with fair weather in most places, but with occasional rain in the western parts of the United Kingdom. On the 10th, a second high-pressure system appeared over the Spanish Peninsula, the result being seen in the formation of shallow depressions over various parts of our Islands and France, where the wind became very variable, with thunderstorms and heavy local showers. Towards the close of the week the southern anticyclone appeared to be moving away to the south-eastward, and, on the 14th, a rather deep depression moved northwards along the Irish and Scotch coasts. Strong winds and gales from the South-East or South and rainy weather were, therefore, experienced in the west and south-west of our Islands, while showers set in over the entire Kingdom.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 86.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	12.7	?	13	?	EASTBOURNE	58.1	?	56	?
OSWALDKIRK (Yorkshire)	32.2	?	34	?	MANCHESTER (Oldham Road)	22.7*	?	24*	?
WORKSOP	27.1	- 0.9	29	- 1	TENBY	43.4*	?	46*	?
THURCASTON (Leicestershire)	36.3	+10.3	39	+12	NEWQUAY	50.3	?	54	?
MARGATE	40.8	?	43	?	TORQUAY	41.6*	?	44*	?
WESTBOURNE (Sussex)	56.8*	?	60*	?	ARLEY COTTAGE (County Cavan)	9.0	?	9	?
BRIGHTON	56.2	?	60	?	GUERNSEY	56.5*	?	60*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

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VOL. XI. No. 16.]
Third Series.

WEEK ENDING SATURDAY, 21ST APRIL, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 92.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	32	55.1	40.1	47.3	4 above.	Day-deg. 45	Day-deg. +22	Day-deg. 5	Day-deg. -13	Day-deg. 278	Day-deg. +133	Day-deg. 442	Day-deg. -55
	1. SCOTLAND, EAST	66	30	55.2	38.0	46.2	3 above.	46	+15	11	-5	298	+80	527	-10
	2. ENGLAND, N.E.	61	29	53.9	39.5	46.3	2 above.	41	+13	7	-3	337	+125	424	-58
	3. ENGLAND, EAST.	61	33	53.4	41.5	47.2	1 above.	39	0	1	-12	447	+183	449	-93
	4. MIDLAND COUNTIES.	63	25	53.6	39.3	47.6	2 above.	51	+11	8	-6	470	+180	447	-85
	5. ENGLAND, SOUTH	63	35	54.5	44.6	49.3	2 above.	51	+7	0	-8	492	+181	300	102
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	60	30	55.3	39.9	47.5	2 above.	47	+14	6	-3	341	+121	322	-69
	7. ENGLAND, N.W.	60	33	55.4	41.9	48.3	2 above.	45	+10	0	-10	430	+208	287*	-117
	8. ENGLAND, S.W.	65	31	55.2	41.7	48.1	1 above.	44	+5	1	-6	508	+186	229	-79
	9. IRELAND, NORTH	64	32	55.2	40.6	47.5	1 above.	44	+7	4	-6	419	+117	318*	-30
	10. IRELAND, SOUTH	61	32	55.4	41.7	48.2	1 above.	45	+4	1	-7	536	+143	209	-64
	—CHANNEL ISLANDS	58	45	54.5	47.1	50.6	2 above.	60	+17	0	-1	624	+216	94	-18

DISTRICTS. (See p. 92.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of in. 2	10ths of ins. 4 less.	74	-3	Ins. 21.5	+5.6	38	-8	38	-7	282	+30	28	+4
	1. SCOTLAND, EAST	3	5	0 (average)	65	+4	11.9	+2.9	35	-1	35	-1	373	+79	36	+7
	2. ENGLAND, N.E.	3	3	2 less.	60	+3	6.0	-6.9	49	+20	49	+21	411*	+135	36	+13
	3. ENGLAND, EAST.	4	5	0 (average)	55	-1	5.3	-1.4	23	-14	24	-14	451	+114	38	+11
	4. MIDLAND COUNTIES.	3	4	0 (average)	62	+8	6.8	-0.9	35	+3	36	+3	414	+120	35	+11
	5. ENGLAND, SOUTH	4	5	1 more.	57	+4	7.1	-0.9	28	-13	28	-12	477	+119	38	+12
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	4	3 less.	77	+12	20.3	+4.2	36	-2	37	-1	345	+48	30	+6
	7. ENGLAND, N.W.	3	5	1 more.	66	+6	10.9	+1.6	41	+8	42	+7	352	+97	33	+10
	8. ENGLAND, S.W.	3	5	1 less.	65	+4	11.6	-0.7	40	0	42	0	480	+98	39	+10
	9. IRELAND, NORTH	3	4	1 less.	77	+9	14.3	+4.0	33	-2	33	-1	339	+55	30	+6
	10. IRELAND, SOUTH	4	6	0 (average)	76	+13	13.7	+1.4	41	+2	42	+1	383	+31	33	+4
	—CHANNEL ISLANDS	3	7	2 more.	67	0	9.3	-0.9	34	-12	35	-13	516	+100	45	+10

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was somewhat unsettled, but, on the whole, finer than during the preceding week over Ireland and Scotland, and less so over the greater part of England. Thunderstorms were experienced in different parts of the Kingdom on the 17th or 18th.

Temperature continued above the mean generally, the excess ranging from 1° over Ireland and some parts of England to 3° in Scotland E. and 4° in Scotland N. The highest of the maxima occurred at most stations on the 18th, and ranged from 66° in Scotland E., and 65° in Scotland N. and England S.W., to 58° in the Channel Islands. The lowest of the minima were registered on the 21st over England, and on irregular dates in Ireland and Scotland; they ranged from 25° in the Midland Counties, to 29° in England N.E., and to 35° in England S.; in the Channel Islands the thermometer fell no lower than 45°.

Rainfall was rather more than the mean in England S. and the Channel Islands, as well as in England N.W., and just equalled the normal in Scotland E., England E., the Midland Counties, and Ireland S.; elsewhere the fall was less than the mean.

Bright Sunshine was more prevalent over the western and northern districts than during the preceding week, but less so in most parts of England. The percentage of the possible duration ranged from 49 in England N.E. to 33 in Ireland N., 28 in England S., and 24 in England E.

Barometer and Wind.—The distribution of pressure changed frequently and was at times rather complex. Soon after the commencement of the week, depressions reached our Islands from the Atlantic, causing moderate to fresh southerly (South-east to South-west) winds as they advanced over the Kingdom, and Northerly or North-easterly winds in their rear. As these systems disappeared, the barometer became rather uniform and steadier, but, towards the end of the period, the mercury began to fall decidedly in the west, and the winds returned to the southward over all except our extreme south-eastern counties.

II.—DATA from which the SUMMARY on page 91 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	50	37	48.3	41.1	44.5	+ 2.9	21	3	3	Inches. 0.20	Inches. -0.28	*	*	*	*
	Stornoway	56	40	52.9	43.0	47.7	+ 4.4	40	0	2	0.03	-0.57	30.3	- 7.2	30	- 7
	Wick	56	33	51.1	40.9	45.8	+ 2.7	31	3	3	0.23	-0.17	*	*	*	*
	Lairg	65	39	62.7	41.0	51.6	+ 8.8	71	3	2	0.02	-0.50	*	*	*	*
	Glencarron	64	34	56.4	37.9	46.7	+ 3.6	50	11	3	0.55	-0.42	*	*	*	*
	Fort Augustus	65	32	58.0	38.3	47.7	+ 3.7	55	10	2	0.22	-0.28	39.0	?	39	?
1. SCOTLAND, E.	Fort William	59	33	56.6	38.8	47.3	+ 1.0	51	9	3	0.25	-0.55	44.6	?	45	?
	Nairn	66	34	56.4	38.1	46.8	+ 2.3	50	11	3	0.40	+0.11	*	*	*	*
	Aberdeen	56	36	51.6	40.7	45.9	+ 2.1	33	4	3	0.45	-0.05	33.3	- 0.5	33	- 1
	Braemar	58	30	53.9	35.7	44.4	+ 3.1	43	18	3	0.58	+0.08	36.3†	?	36†	?
	Ochertyre	63	32	59.6	36.9	47.7	+ 3.8	61	14	4	0.21	-0.34	*	*	*	*
	Leith	59	35	54.7	38.6	46.3	+ 1.1	44	10	4	0.92	+0.53	*	*	*	*
2. ENGLAND, N.E.	Marchmont	59	35	55.0	38.0	46.1	+ 3.0	46	11	3	0.43	-0.14	37.8	?	38	?
	Alnwick Castle	56	32	51.7	37.7	44.4	+ 1.5	35	12	1	0.23	-0.31	*	*	*	*
	Durham	60	29	56.4	37.2	46.3	+ 2.2	50	13	4	0.33	-0.15	45.7	+19.0	46	+19
	Shields	57	34	52.0	39.0	45.2	+ 1.1	35	8	2	0.21	-0.19	*	*	*	*
	Scarborough	60	35	54.1	39.7	46.6	+ 1.6	42	6	2	0.53	+0.06	*	*	*	*
	York	61	33	58.3	40.4	48.9	+ 3.2	55	4	2	0.31	-0.12	53.1	+22.1	54	+23
3. ENGLAND, E.	Spurn Head	54	40	50.7	42.9	46.6	+ 1.9	32	0	3	0.15	-0.19	*	*	*	*
	Hillington	60	36	54.2	40.6	47.1	+ 1.1	42	4	4	0.72	+0.30	24.2	-11.7	25	-11
	Yarmouth	55	41	50.6	43.9	47.1	+ 2.3	36	0	3	0.30	-0.11	*	*	*	*
	Geddeston	61	35	53.9	41.8	47.6	+ 1.7	40	1	3	0.23	-0.16	26.9	-11.8	28	-12
	Cambridge	61	34	55.7	40.3	47.6	+ 0.9	46	5	4	0.49	+0.11	19.0	-16.5	20	-17
	Rothamsted	59	33	52.8	40.8	46.5	+ 0.8	37	3	4	0.56	+0.05	21.7	?	22	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	63	29	58.9	36.9	47.4	+ 1.1	59	14	3	1.06	+0.66	*	*	*	*
	Loughborough	63	25	59.6	36.9	47.7	+ 0.7	61	14	1	0.15	-0.28	*	*	*	*
	Stamford (Ketton Hall)	62	26	56.6	39.4	47.6	+ 0.4	50	7	4	0.45	+0.01	*	*	*	*
	Cheadle	58	34	55.5	39.2	47.0	+ 2.3	47	8	2	0.16	-0.34	*	*	*	*
	Churchstoke	59	32	56.2	38.8	47.1	+ 2.6	49	9	3	0.40	-0.02	40.3	+ 7.3	41	+ 7
	Hereford	60	34	57.3	40.6	48.6	+ 2.0	52	4	2	0.16	-0.27	*	*	*	*
5. ENGLAND, S.	Cirencester	58	36	54.3	40.7	47.2	+ 1.7	42	4	4	0.70	+0.18	24.8	- 9.4	26	-10
	Oxford	62	37	54.7	42.0	48.0	+ 1.3	42	0	4	0.40	-0.04	26.5	- 7.5	27	- 7
	London	63	39	55.6	44.3	49.7	+ 1.4	54	0	4	0.23	-0.21	19.2†	-11.8	20†	-11†
	North Foreland	60	44	52.9	46.4	49.5	+ 3.7	53	0	4	0.38	?	*	*	*	*
	Strathfield Turgiss	59	40	54.6	42.6	48.3	+ 1.4	44	0	?	?	?	*	*	*	*
	Dungeness	58	42	53.6	46.3	49.8	+ 3.2	55	0	3	0.21	-0.19	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	57	41	54.1	44.6	49.1	+ 1.3	50	0	4	0.26	-0.19	29.4	-10.3	30	-11
	Southampton	59	42	56.4	45.0	50.4	+ 2.5	59	0	4	0.39	-0.12	23.7	-15.0	24	-16
	Hurst Castle	59	43	55.3	46.0	50.4	+ 3.6	59	0	4	0.71	+0.27	*	*	*	*
	Stowell	57	35	53.2	41.2	46.9	+ 0.5	33	2	4	1.15	?	*	*	*	*
	Laudale (Loch Sunart)	60	33	57.3	40.1	48.3	+ 2.5	52	5	2	0.16	-0.74	*	*	*	*
	Glasgow	60	37	56.2	41.4	48.4	+ 3.6	47	2	4	0.43	-0.08	30.3	0.0	31	0
7. ENGLAND, N.W.	Ardrossan	59	39	55.6	41.3	48.1	+ 2.1	46	2	4	0.47	-0.05	*	*	*	*
	Glenlee	59	30	56.3	36.4	45.9	+ 1.9	51	16	4	0.31	-0.34	*	*	*	*
	Douglas (Isle of Man)	56	35	53.4	40.4	46.6	+ 1.0	39	4	3	0.02	-0.02	42.0	- 1.4	42	- 2
	Stonyhurst	57	33	54.9	40.1	47.1	+ 1.5	44	5	3	0.50	-0.05	43.3	+ 9.8	44	+10
	Blackpool	60	34	56.3	40.6	48.1	+ 1.9	49	4	4	0.33	-0.07	38.2	+ 2.6	39	+ 4
	Manchester (Prestwich)	59	33	56.3	40.9	48.2	+ 2.6	48	3	2	0.53	+0.07	41.6	?	42	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	59	37	56.4	42.6	49.2	+ 2.4	50	0	4	0.35	-0.02	*	*	*	*
	Llandudno	58	40	54.2	45.5	48.6	+ 1.4	46	0	4	0.51	+0.08	43.0	+ 9.1	44	+ 9
	Holyhead	57	41	54.0	43.6	48.6	+ 1.7	46	0	3	0.89	+0.46	*	*	*	*
	Llandovery	65	31	59.1	36.9	47.5	+ 1.8	60	14	4	0.69	+0.04	*	*	*	*
	Pembroke	54	44	51.9	45.6	48.6	+ 2.1	46	0	1	0.23	-0.22	50.3	+ 5.9	52	+ 7
	Bristol (Montpelier)	64	34	56.9	42.0	49.1	+ 2.0	50	0	3	0.54	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	58	35	55.3	39.7	47.1	+ 1.7	45	6	2	0.18	-0.49	*	*	*	*
	Cullompton	59	31	55.1	38.8	46.6	- 0.1	46	9	2	0.36	-0.27	31.2	- 3.3	32	- 3
	Falmouth	55	40	54.0	43.5	48.5	+ 0.7	46	0	3	0.85	+0.15	42.1	0.0	43	0
	Plymouth	58	41	54.8	43.8	49.0	+ 0.2	49	0	3	0.67	+0.12	36.0	- 4.3	37	- 4
	Prawle Point	60	41	54.3	43.6	48.7	+ 2.2	47	0	5	0.38	-0.10	*	*	*	*
	Malin Head	61	40	53.4	42.7	47.8	+ 1.5	41	0	2	0.30	?	*	*	*	*
10. IRELAND, S.	Londonderry	64	38	59.3	41.5	50.0	+ 2.9	58	1	4	0.32	-0.16	*	*	*	*
	Edenfel (Omagh)	60	34	55.7	37.7	46.3	+ 0.7	48	12	3	0.47	-0.01	*	*	*	*
	Belmullet	58	39	53.4	42.6	47.7	+ 0.9	40	0	5	0.14	?	*	*	*	*
	Markree Castle	60	32	55.1	38.7	46.5	+ 0.6	45	9	4	0.70	+0.12	28.4	- 7.8	29	- 8
	Brookeborough	61	34	56.4	39.4	47.5	+ 2.5	49	7	3	0.44	-0.14	*	*	*	*
	Armagh	59	35	55.6	39.6	47.2	+ 1.6	46	7	4	0.59	+0.09	38.0	+ 4.5	38	+ 5
CHANNEL ISLANDS	Donaghadee	55	42	52.9	44.9	48.7	+ 2.9	47	0	3	0.17	-0.28	*	*	*	*
	Edgeworthstown	61	33	55.1	38.1	46.2	+ 1.0	46	11	2	0.58	+0.04	*	*	*	*
	Dublin	59	39	55.7	43.0	49.1	+ 1.9	50	0	3	0.63	+0.16	48.4	+ 9.0	49	+ 9
	Parsonstown	60	36	56.1	40.3	47.3	+ 1.3	48	5	4	1.03	+0.55	34.2	- 3.6	35	- 4
	Kilkenny	59	34	54.3	39.0	46.3	- 0.4	43	8	4	0.96	+0.45	*	*	*	*
	Waterford	61	33	56.1	40.2	47.8	+ 0.1	48	5	3	0.93	+0.33	*	*	*	*
CHANNEL ISLANDS	Roche's Point	58	41	54.7	44.4	49.3	+ 1.0	51	0	3	0.07	-0.69	*	*	*	*
	Valencia	57	37	54.0	44.4	49.0	+ 0.5	49	0	5	0.37	-0.53	39.8	- 1.2	41	- 1
	Killarney	59	32	56.0	40.0	47.6	- 0.4	48	6	4	0.36	?	*	*	*	*
	Foynes	59	38	56.2	42.2	48.9	+ 1.4	48	0	3	0.64	?	*	*	*	*
	Scilly (St. Mary's)	56	46	53.9	46.9	50.2	+ 1.5	57	0	2	0.84	+0.30	41.1	?	42	?
	Jersey	58	45	55.1	47.3	51.0	+ 1.8	63	0	4	0.54	+0.05	32.9	-12.1	34	-13

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 15th April.

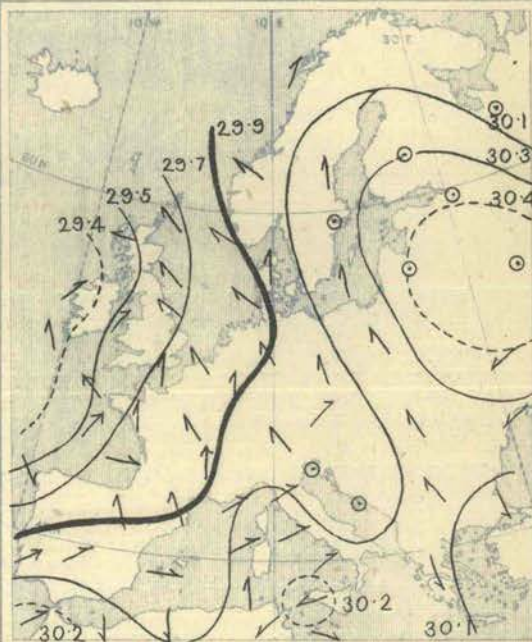
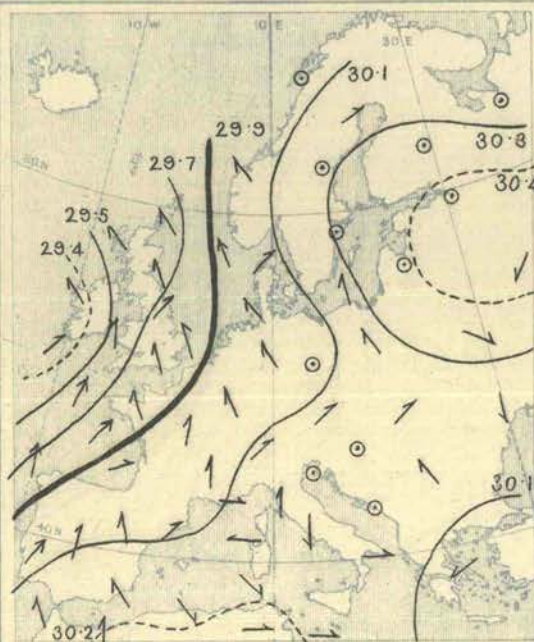
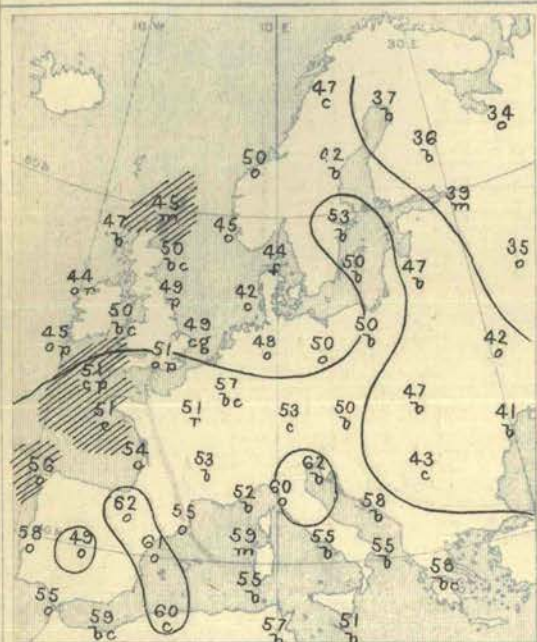
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine over Scotland, changeable and showery over the greater part of Ireland and England, dull in Norway, Germany, and most parts of France and Spain, with rain at Paris and Limoges; fine in all other Continental countries, but foggy in Denmark. Rain falling later in nearly all parts of Ireland, England, France, Switzerland, western Germany, and also at some of the Scotch and Scandinavian stations. Solar and lunar halos seen in various parts of the United Kingdom.

Temperature risen in most places, but fallen in the south-west of our Islands and also in the south of France. Morning readings highest, 64° at Bilbao, 62° at Biarritz and Trieste, and 61° at Barcelona; above 55° in most parts of southern Europe. Lowest, 34° at Archangel, 35° at Moscow, 36° at Kuopio, and 37° at Haparanda. Daily maxima below 55° on several parts of our coasts, but thermometer rising to between 60° and 62° over the central and south-eastern parts of England. Exceeding 65° at some of the French and German stations, touching 70° in several parts of Italy, and 75° to 77° in some parts of Algeria and Tunis.

Wind Southerly (South-East to South-West) over the whole of western Europe; light or moderate in force generally, but strong on some parts of our western and south-western coasts. Calm over Sweden and northern Russia; light from the North-East over the central and southern parts of Russia; variable in Austria, Italy, and Algeria. Subsiding later on our west coasts, but freshening from South-West over Spain, no important change occurring elsewhere.

Barometer highest, 30.4 ins. and upwards in a large anticyclone lying over central Russia; 30.2 ins. and upwards in another system over Algeria. Lowest, 29.4 ins. and less in a depression lying off the west of Ireland. Depression moving northwards, but other disturbances beginning to approach our south-west coasts in evening, and barometer falling over western Europe generally.

Monday, 16th April.

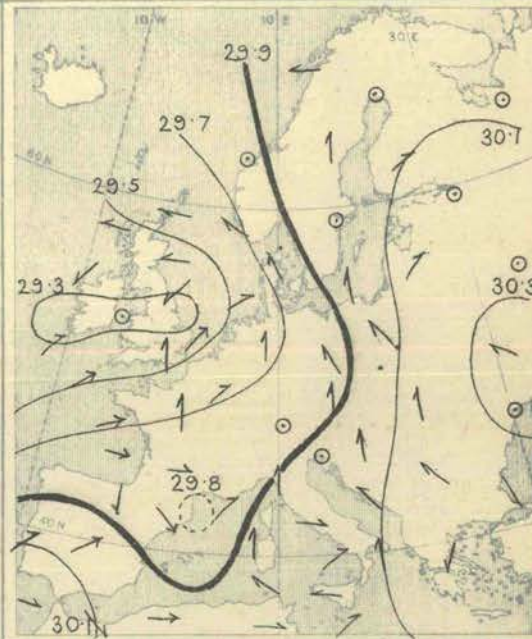
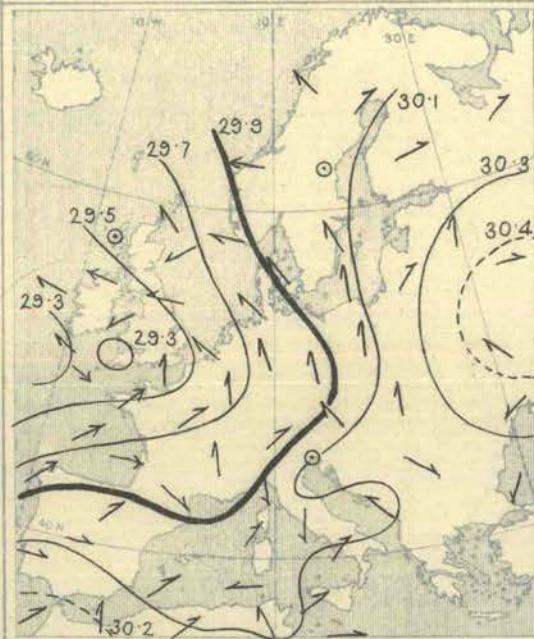
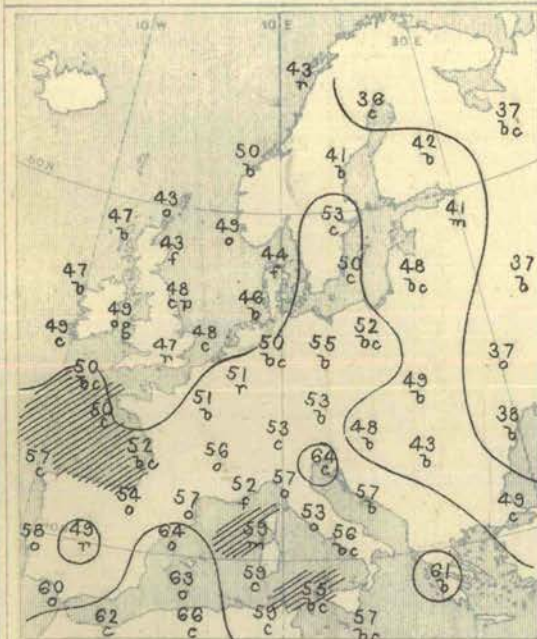
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine over Russia, central Europe, and some parts of Ireland, France, and Sweden, cloudy and changeable over the United Kingdom, with rain over the major part of England and at Parsonstown. Rain at times, later, over almost all parts of our Islands, southern and western Europe (2 ins. at Nice, 0.8 in. at Lyons, 0.9 in. at Turin, and 0.66 in. at Holyhead), thunder and lightning at Fanø, Lyons, and Biarritz, squally and unsettled weather over the Channel and south of England.

Temperature inclined to fall over the United Kingdom and neighbourhood, changing fitfully in some localities. Morning readings highest, 66° at Algiers, 64° at Trieste, 62° at Oran, and exceeding 50° over central, southern, and western Europe generally, 53° at Stockholm, 50° at Christiansund. Lowest, 32° to 37° over Russia, 36° at Haparanda. Rising later to between 50° and 58° over the British Islands, to 62° at Paris, 69° at Perpignan, 70° to 75° in many parts of Italy, 75° to 79° over northern Africa. Succeeding night rather cold over Great Britain.

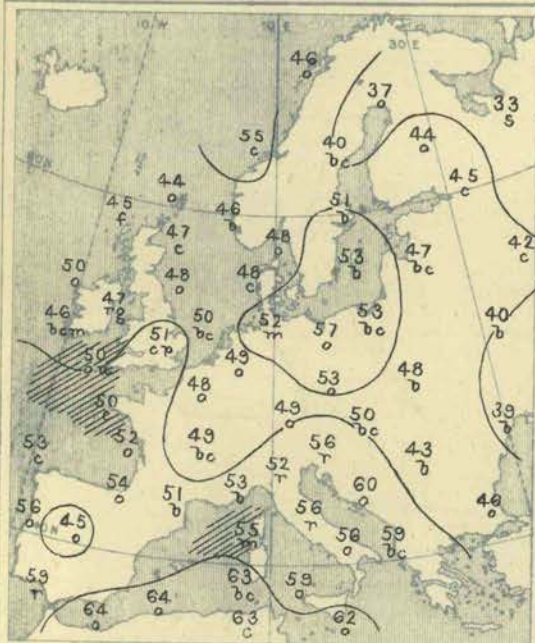
Wind (1) Westerly and South-Westerly, moderate to fresh, over Spain and France, strong over the English Channel, Southerly over the Netherlands and east of England; (2) South-Easterly over Germany and the Baltic, and Easterly on the coast of Norway and over the north of Ireland; anticyclonic airs over central Russia. A moderate gale from South-West and West felt over the Channel later, and Easterly to Northerly wind becoming general over Scotland and Ireland.

Barometer highest, (1) 30.4 ins. and more to 30.0 ins. over Russia; (2) 30.1 ins. and more to 30.0 ins. over the southern half of Spain. Lowest, below 29.3 ins. in two small depressions—one at the mouth of the Bristol Channel, the other off the south-west of Ireland. Gradients moderate, but pressure distribution becoming very complex over the United Kingdom generally.

Tuesday, 17th April.

Temperature and Weather.

8 a.m.

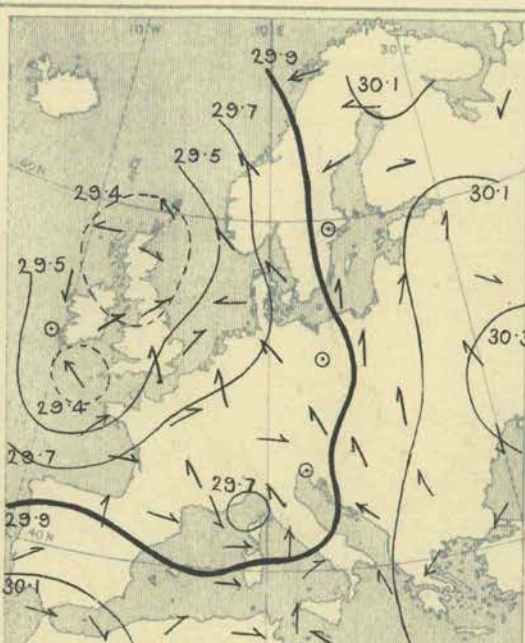


Weather in morning fine over south-eastern and many parts of central Europe, dull in the west and north, unsettled over the United Kingdom and neighbourhood, with showers in several places. Rain falling later, in form of showers, in almost all parts of the British Islands, France, Germany, Italy, and the Adriatic, hail in some places; thunder, lightning, and halos locally, brilliant aurora at Wick.

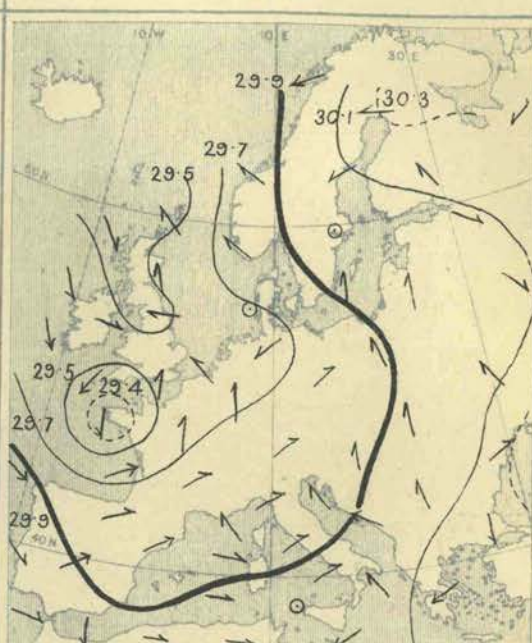
Temperature changing little and irregularly. Morning readings highest, 60° to 64° at several stations on the southern side of the Mediterranean, exceeding 50° in many parts of western and central Europe, in the south of Sweden, and at Christiansund. Lowest, (1) 33° at Archangel, 37° at Haparanda; (2) 35° to 40° over the south of Russia; (3) 44° at Sumburgh Head and Nairn. Exceeding 60° later over Denmark, the south of Sweden, the north of England, and many parts of France. Not touching 70° over Italy, but ranging between 70° and 75° over Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



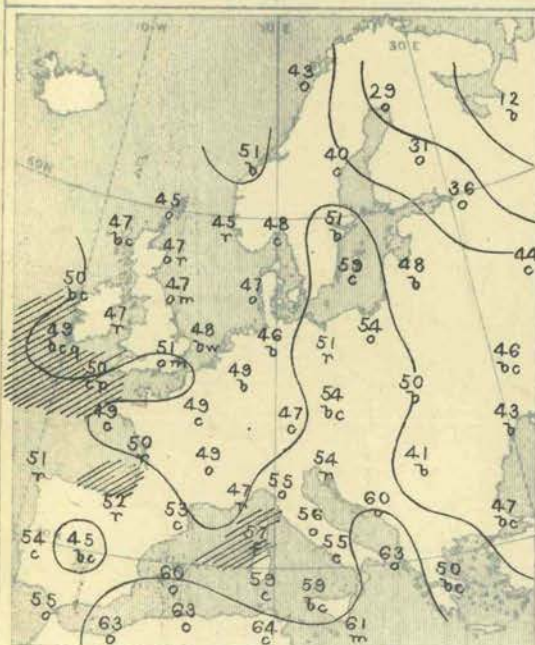
Wind (1) Southerly to South-Easterly over Russia, the Baltic, and Scandinavia, Easterly in the north of Scotland; (2) Northerly in Ireland, South-Westerly over Spain and the west of France, Southerly over the Channel and England; variable elsewhere. Light or moderate in force generally, but fresh at the mouth of the English Channel. Northerly wind freshening later and becoming more general over our western districts. Southerly wind backing to South-East or East over England.

Barometer highest, (1) 30.3 ins. and more to 30.0 ins. over Russia, Finland, and the Gulf of Bothnia; (2) 30.1 ins. and more to 30.0 ins. over Algeria and the southern half of the Iberian Peninsula. Lowest, (1) below 29.4 ins. in two depressions, one over Scotland, the other at the mouth of the English Channel; (2) below 29.3 ins. in a third over the Gulf of Genoa. The Scotch depression moving northwards later, that near Scilly moving south-eastwards, while that in the far south filled up. Barometer beginning to rise over the United Kingdom generally.

Wednesday, 18th April.

Temperature and Weather.

8 a.m.

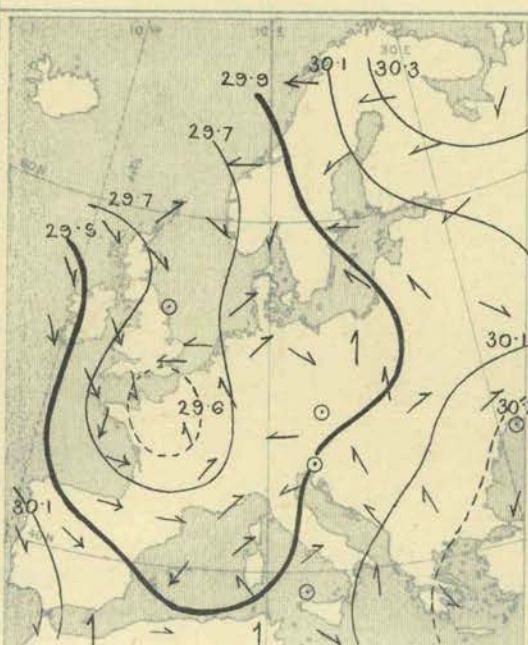


Weather in morning fine and bright over Russia, south-eastern and many parts of central Europe, also over Ireland and the west of Scotland; changeable and unsettled over the north of Spain, the west of France, England generally, and the south-west of Norway, with some rain in several places. Rain later over Great Britain, France, and the eastern shores of the North Sea (amounts large at Nice and Lorient). Snow over Finland and northern Russia, thunder and lightning reported in the east and south of England and north-east of France, and severe thunderstorms in the Riviera. Sky clearing later over England.

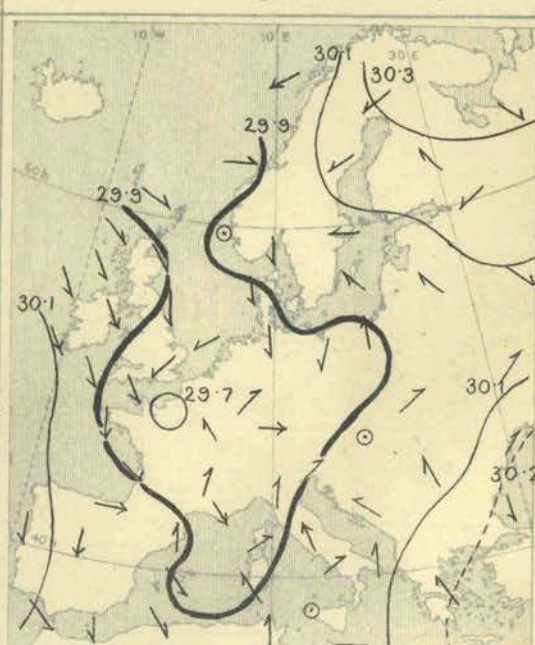
Temperature very irregularly distributed. Morning readings exceeding 60° on the Algerian coasts and at Malta, and touching 60° at Lésina; exceeding 50° (1) at most stations on the Atlantic coasts of Portugal, Spain, and France, with the south of England; (2) 50° at Wisby, and exceeding 50° at many of the German and Baltic stations. Lowest, 12° at Archangel, 29° at Haparanda, 31° at Kuopio, and 36° at St. Petersburg. Rising to 60° and more in many parts of England and France later, 70° at Brindisi and Palermo, and 70° to 75° in several parts of northern Africa.

Barometer and Wind.

8 a.m.



6 p.m.



Wind North-Westerly to Northerly over the greater part of the United Kingdom and the Channel, North-Westerly to Westerly and strong over the Bay of Biscay, Westerly over Spain, South-Westerly over France, South-Easterly over Germany and the Baltic. A cyclonic circulation prevailing locally over the north of France and south-east of England. Northerly wind becoming strong over the Irish Channel later, and spreading southwards to Spain; little change elsewhere.

Barometer highest, (1) 30.3 ins. and more over northern Russia, 30.2 ins. and more over southern Russia and the Black Sea, and exceeding 30.0 ins. over Russia and the north-east of Scandinavia generally; (2) 30.1 ins. and more to 29.9 ins. over the Iberian Peninsula, and exceeding 29.9 ins. over the west of Ireland. Lowest, about 29.6 ins. over the Shetland Isles, and below 29.6 ins. in a depression over the north of France. Latter system moving eastwards later, and partially filling up.

Thursday, 19th April.

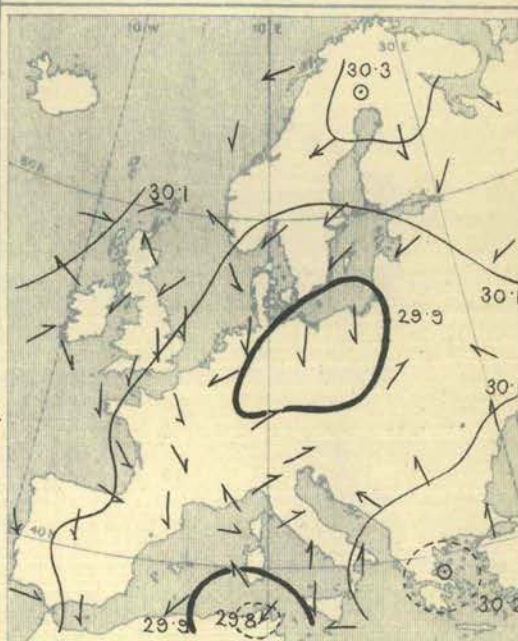
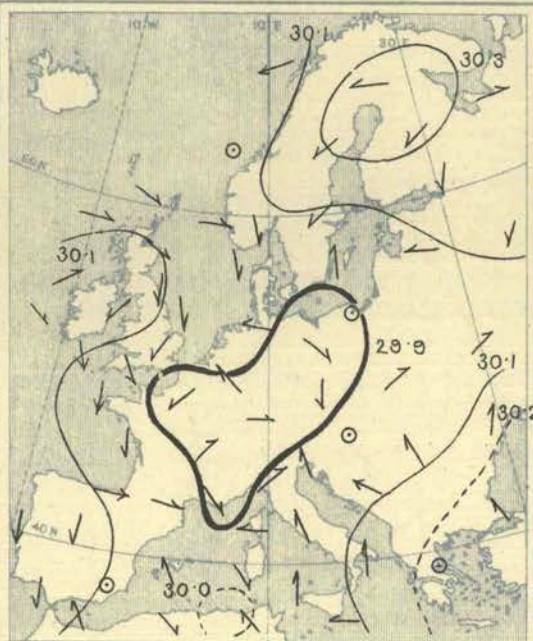
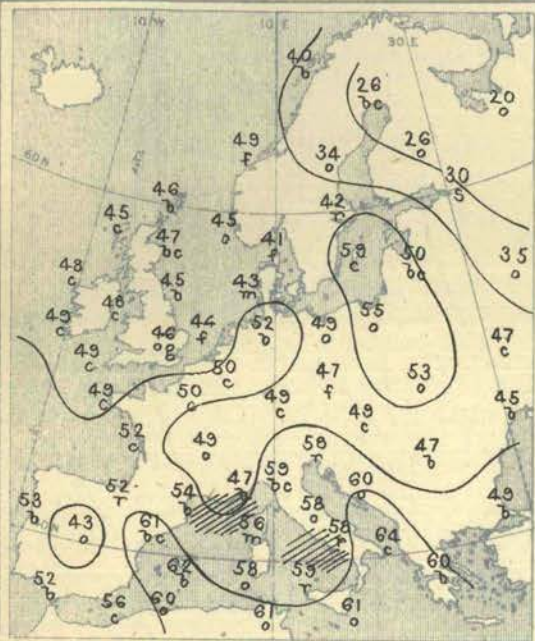
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over south-eastern Europe, Portugal, and the greater part of Ireland and Scotland, as well as in Lapland and Finland; cloudy or overcast elsewhere, foggy in places, and unsettled over central Europe and south-eastern England, with rain at some stations. Rain falling during day at most of the Continental stations and in the extreme east and south-east of England, snow at Hernösand, but amounts reported small except at Wiesbaden and Biarritz. Thunder and lightning in many parts of France and Germany.

Temperature fallen over Russia, Finland, and the eastern half of England. Morning readings highest, 60° and more on the southern side of the Mediterranean, and 60° at Lésina, exceeding 50° at all the coast stations of southern and western Europe; 49° at Scilly and Valencia, 50° at Ardrossan. Lowest, 20° at Archangel, 26° at Haparanda and Kuopio, 30° at St. Petersburg. Rising later to 60° and more in Germany, the south of France, and at Paris, but only to between 55° and 58° in our Islands, and not touching 50° at our south-eastern stations. Warm over south of Italy, but cooler than of late over Algeria. Following night cold over our northern districts.

Wind light to moderate and variable from between North-West and South-West over the Mediterranean, light and variable from between South-West and South-East over central and eastern Europe, but Easterly to North-Easterly over northern Europe, Northerly, light, in Denmark, and strong to moderate in the east and south of England. Very light and variable airs over Scotland and Ireland, with a tendency to back Southwards. Southerly wind setting fairly in over Ireland later.

Barometer highest, (1) 30.4 ins. and more to 30.1 ins. in an anticyclone over northern Europe; (2) 30.1 ins. and more in another over the Iberian Peninsula and the eastern side of the Atlantic, south of Lat. 50°; exceeding 30.0 ins. in a "col" joining these two systems and lying over Ireland and Scotland. Lowest, 29.9 ins. and less in a large shallow depression of irregular form lying over Germany and France, and apparently low in the neighbourhood of Ireland also. Falling at our western stations later, rising in the east and south.

Friday, 20th April.

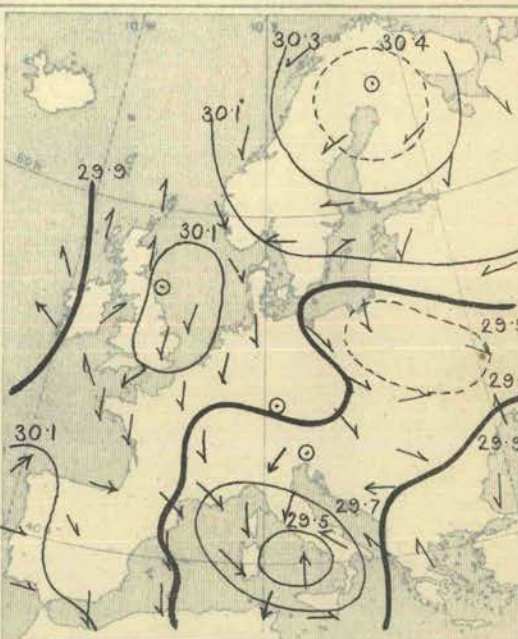
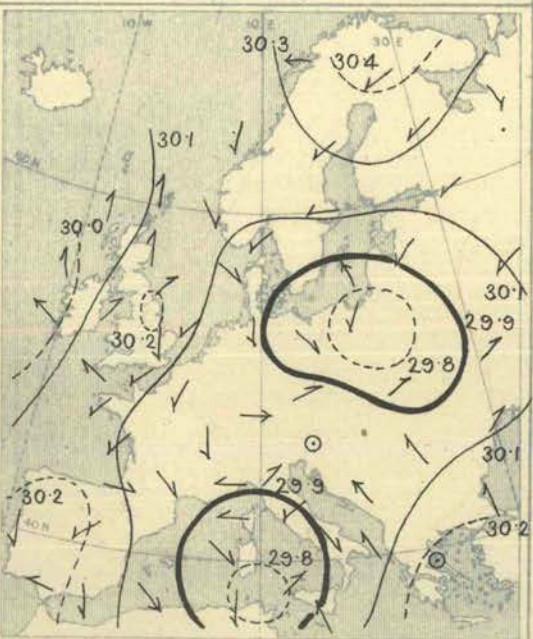
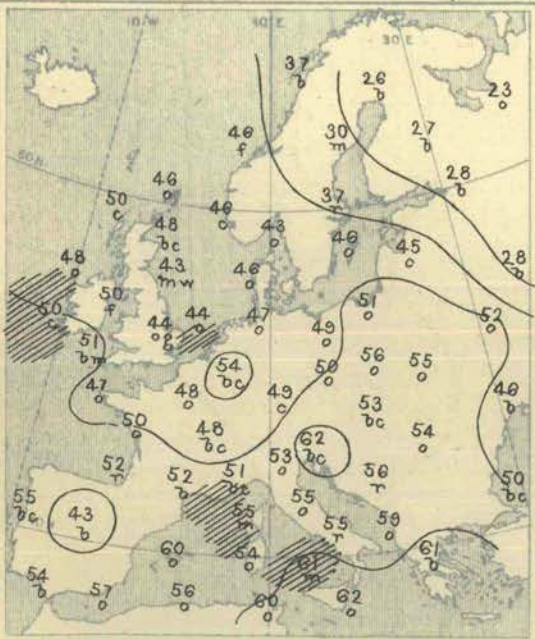
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over northern, eastern, and south-eastern Europe, as well as over the southern half of Spain and the western and northern parts of the British Islands; cloudy or overcast elsewhere, foggy at Christiansund, rainy at Stockholm, as well as in the north-east of France, at Breslau, Naples, Bilbao, and La Calle. Rain falling locally at some of the Continental stations later, in some places heavily; and a small quantity in the west of Ireland, thunderstorms reported in Italy and the south of France. Temperature not changing much. Morning readings highest, 62° at Malta, 60° at Palma, and exceeding 50° at most stations in southern and central Europe; 50° to 51° at a few of the British coast stations also. Lowest, 23° at Archangel, 26° at Haparanda, 28° at Moscow and St. Petersburg, 30° at Hernösand; 41° at York, 43° at Oxford. Rising later to 70° and more over Algeria and the south of Italy, to 60° and more in many parts of France and some parts of Ireland, and to 59° at Nairn and Ardrossan; not touching 50°, however, on the south-east coasts of England or in the Netherlands.

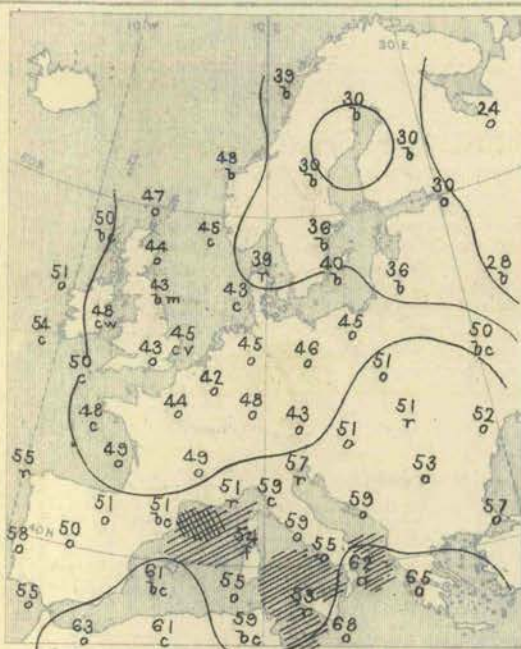
Wind (1) North-Easterly over the Baltic and Scandinavia, the North Sea, the east and south of England, and the northern half of France; Northerly to North-Westerly over north Germany; Westerly and South-Westerly (but very light) over south Germany; (2) Southerly and South-Easterly over Ireland, the Irish Sea, and west of Scotland. Not much change later as far as direction was concerned, but the North-Easterly wind subsiding slowly on our east and south-east coasts.

Barometer highest, 30.4 ins. and more to 30.2 ins. over Finland, the Gulf of Bothnia, and all the northern half of Scandinavia; (2) 30.2 ins. and more over the south-western half of the Spanish Peninsula, and varying from 30.1 ins. to 30.2 ins. in a "col" uniting these areas, and stretching from the north of Spain across the Bay of Biscay, Great Britain, and the North Sea to Norway. Lowest, (1) 29.8 ins. and less in a depression over north Germany and in another over Tunis, and below 30.0 ins. over central Europe and the Mediterranean generally; (2) below 30.0 ins. off the west coast of Ireland. Falling later over our Islands and western Europe, especially on our western coasts. Tunisian depression advancing to Italy.

Saturday, 21st April.

Temperature and Weather.

8 a.m.

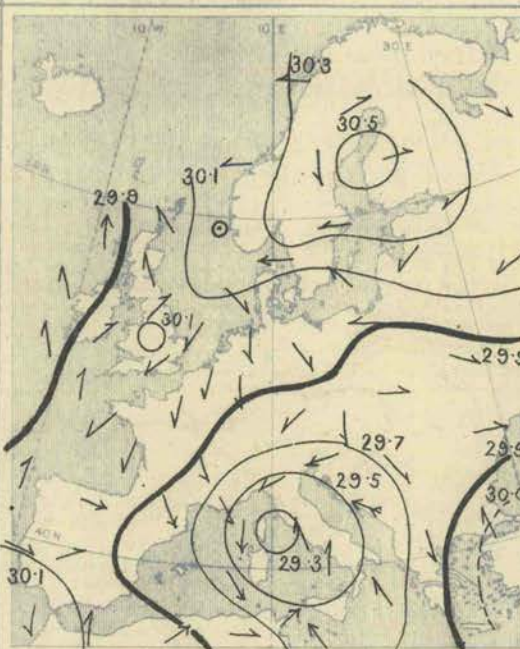


Weather in morning fine and bright over northern Europe, Scotland, and the north of England, cloudy or overcast elsewhere, unsettled over south-eastern Europe and the Mediterranean, with rain in places. Rain falling later in several parts of southern and central Europe (0.5 in. at Munich), and a little at several of the Irish stations; remaining dry over England, but cloudy over the eastern and south-eastern countries.

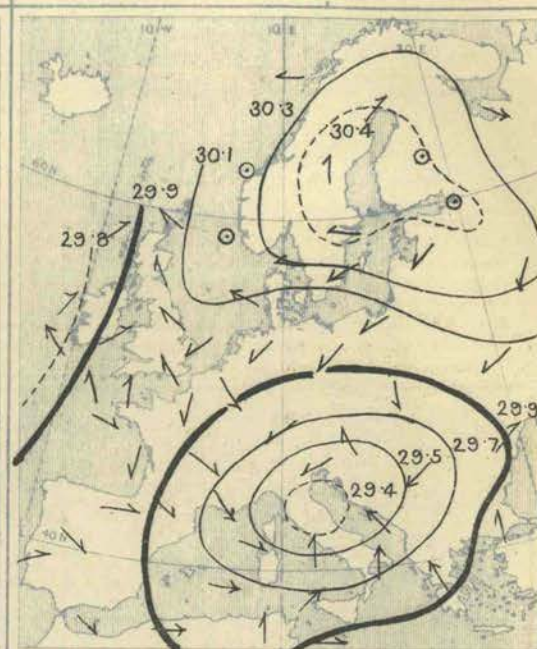
Temperature changing very little. Morning readings highest, 68° at Malta, 65° at Patras, 62° at Brindisi; above 50° over south-eastern and southern Europe generally, as well as in the Scilly Isles, Scotland, and Ireland. Lowest, 24° at Archangel, 28° at Moscow, 30° to 32° over Finland, and 39° at Bodö. Rising later to 60° or more at some of our north-western and northern stations, but failing to reach 50° on our south-east coasts; exceeding 60° over Spain, and 70° over Italy and Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



Wind (1) Easterly over all the northern countries, and strong in several places, Southerly, moderate to fresh, over Ireland, the Irish Sea, and west of Scotland; (2) North-Easterly over northern France, North-Westerly in the south, North-Westerly, strong, over the western parts of the Mediterranean, Southerly and South-Westerly over Tunis and Sicily, South-Easterly to Easterly over the Adriatic. Very light and variable over central Europe, increasing from South-East and South over Ireland later, and becoming strong over south-eastern Europe, but moderating over the western parts of the Mediterranean.

Barometer highest, 30.5 ins. and more to 30.1 ins. in an anticyclone over northern Europe; 30.1 ins. and more to 30.0 ins. over Spain and Portugal, and exceeding 30.0 ins. over Asia Minor and the Grecian Archipelago. Lowest, (1) about 29.3 ins. in a deep depression over the north-western parts of Italy and Corsica; (2) below 29.3 ins. over the south of Russia; (3) below 29.9 ins. over the west of Ireland, and still lower over the Atlantic. Southern depression moving north-eastwards later; barometer falling over Ireland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in France, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The weather experienced during this week was much less settled over all but the northern countries than it had been for some time previously. The disturbances which brought about the change were not deep; they appeared, first of all, off our western and south-western coasts, and, travelling in very various directions, covered gradually the whole of the western countries by Wednesday. Other systems were then developed over Algeria and the Mediterranean on one hand, and over central Europe on the other, the high pressure area over northern Europe undergoing, in the meantime, very little alteration. The rainy unsettled weather then became general over the central as well as the southern countries, while in the extreme north-west the sky cleared. By Thursday night, pressure had become high both over northern and south-western Europe, and a "col," uniting these two regions began to move eastwards over the British Islands, France, and the North Sea. As this progressed, the Northerly and North-Easterly winds over western and north-western Europe began to die down, and the advent of some fresh depressions in the far west brought about a spell of South-Easterly and Southerly winds in those regions. These were, at the close of the week, increasing in force and spreading eastwards with warmer weather, but the northern and central countries were still under the influence of breezes from the Northward (North-East to North-West), and temperatures were low.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 92.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	31.5	?	32	?	EASTBOURNE	30.0	?	31	?
OSWALDKIRK (Yorkshire)	47.8	?	48	?	MANCHESTER (Oldham Road)	10.7*	?	42*	?
WORKSOP	40.7	+ 8.0	42	+10	TENBY	49.5*	?	51*	?
THURCASTON (Leicestershire)	41.5	+ 11.1	42	+11	NEWQUAY	?	?	?	?
MARGATE	35.0	?	36	?	TORQUAY	33.0*	?	34*	?
WESTBOURNE (Sussex)	27.5*	?	28*	?	ARLEY COTTAGE (County Cavan)	31.4	?	32	?
BRIGHTON	29.0	?	30	?	GUERNSEY	28.2*	?	29*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 17.]
Third Series.

WEEK ENDING SATURDAY, 28TH APRIL, 1894.

[Price 6d.
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. **RAINFALL.**—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. **BRIGHT SUNSHINE.**—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 98.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	64	30	54.3	40.5	47.1	3 above.	Day-deg. 42	Day-deg. +14	Day-deg. 4	Day-deg. -10	Day-deg. 320	Day-deg. +147	Day-deg. 446	Day-deg. - 65
	1. SCOTLAND, EAST	65	28	53.7	38.5	45.7	1 above.	41	+ 5	10	- 2	339	+ 85	537	- 12
	2. ENGLAND, N.E.	60	31	53.4	40.0	46.4	1 above.	39	+ 6	6	- 1	376	+131	430	- 59
	3. ENGLAND, EAST.	62	30	56.5	40.7	48.2	1 above.	49	+ 4	4	- 5	496	+187	453	- 98
	4. MIDLAND COUNTIES.	63	24	56.3	38.9	47.2	0 (average)	49	+ 2	9	- 1	519	+182	456	- 86
	5. ENGLAND, SOUTH	63	31	56.2	43.7	49.7	1 above.	54	+ 3	0	- 6	546	+184	300	-115
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	64	32	55.0	42.2	48.3	2 above.	44	+ 5	0	- 8	385	+126	322	- 77
	7. ENGLAND, N.W.	61	32	55.3	41.5	48.1	1 above.	45	+ 3	1	- 6	475	+211	288	-123
	8. ENGLAND, S.W.	63	32	54.9	43.1	48.7	1 above.	47	+ 1	0	- 4	555	+187	229	- 83
	9. IRELAND, NORTH	64	38	54.8	43.1	48.7	2 above.	47	+ 4	0	- 7	466	+121	318	- 37
	10. IRELAND, SOUTH	63	37	55.0	44.7	49.7	1 above.	54	+ 7	0	- 5	590	+150	207	- 69
	-CHANNEL ISLANDS	59	35	55.5	46.0	50.5	1 above.	60	+10	0	0	684	+226	94	- 18

DISTRICTS. (See p. 98.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 3	10ths of ins. 4 less.	78	- 3	21.8	49	+20	47	+ 19	331	+ 50	31	+ 6	
	1. SCOTLAND EAST	4	4	1 less.	69	+ 4	12.3	34	0	34	0	407	+ 78	36	+ 7	
	2. ENGLAND, N.E.	5	4	0 (average)	65	+ 3	6.4	20	-10	20	- 11	431	+125	34	+ 10	
	3. ENGLAND, EAST.	6	10	5 more.	61	0	6.3	33	- 8	33	- 8	484	+107	38	+ 10	
	4. MIDLAND COUNTIES.	5	7	3 more.	67	+ 9	7.5	32	- 2	32	- 2	446	+118	35	+ 11	
	5. ENGLAND, SOUTH	5	10	5 more.	62	+ 5	8.1	37	- 3	37	- 3	514	+116	38	+ 11	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	4	2 less.	81	+12	20.7	42	+ 2	41	+ 2	387	+ 50	31	+ 7	
	7. ENGLAND, N.W.	5	4	1 less.	71	+ 7	11.3	37	+ 2	37	+ 2	389	+ 90	33	+ 9	
	8. ENGLAND, S.W.	6	11	6 more.	71	+ 6	12.7	52	+ 8	52	+ 9	532	+104	40	+ 10	
	9. IRELAND, NORTH	6	8	2 more.	83	+10	15.1	36	- 4	35	- 3	375	+ 51	30	+ 6	
	10. IRELAND, SOUTH	6	15	8 more.	82	+14	15.2	33	- 9	33	- 9	422	+ 22	33	+ 3	
	-CHANNEL ISLANDS	5	13	8 more.	72	0	10.6	46	-15	46	- 15	562	+ 86	44	+ 8	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was unsettled and changeable generally. Some rather heavy falls of rain were experienced in all the more southern and south-western districts, but in the north and north-east the rain, although of frequent occurrence, was small in amount. Thunderstorms occurred in nearly all parts of the Kingdom during the middle or latter part of the week.

Temperature just equalled the mean in the Midland Counties, but again exceeded it slightly in all other districts. The highest of the maxima were recorded on rather irregular dates, and ranged from 65° in Scotland E. to 60° in England N.E. and to 59° in the Channel Islands. The lowest of the minima were registered on the 22nd over England, on the 28th in Scotland, and on variable dates over Ireland; they were generally rather low, ranging from 24° in the Midland Counties, and 28° in Scotland E., to between 37° and 38° over Ireland.

Rainfall exceeded the mean considerably in England E., S., and S.W., and in the Channel

Islands and Ireland S., slightly in the Midland Counties and Ireland N.; in England N.E. the mean was just equalled, while in the other districts there was a deficit.

Bright Sunshine varied a good deal in different parts of the Kingdom; it was in excess of the normal in most of the "Grazing" districts, but deficient in the "Wheat producing" districts. The percentage of the possible duration ranged from 52 in England S.W., 47 in Scotland N., and 46 in the Channel Islands, to 32 in the Midland Counties and to 20 in England N.E.

Barometer and Wind.—During this period several large depressions appeared off our south-western and western coasts, while more immediately over us there were many local disturbances of slight intensity. South-easterly to South-westerly winds were general during the greater part of the time, but, as the week drew towards a close, North-westerly and Northerly winds had set in at the western stations and were spreading gradually eastwards.

II.—DATA from which the SUMMARY on page 97 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	52	41	48.7	42.0	45.2	+ 2.8	22	0	4	0.17	-0.28	*	*	*	*
	Stornoway	59	35	55.3	38.1	46.3	+ 2.0	46	11	4	0.14	-0.43	60.2	+20.3	57	+19
	Wick	56	41	51.0	42.4	46.5	+ 2.5	32	0	3	0.14	-0.23	*	*	*	*
	Lairg	64	33	58.1	38.8	48.0	+ 3.8	55	9	4	0.31	-0.67	*	*	*	*
	Glencarron	63	30	57.2	39.3	47.8	+ 2.9	52	8	3	0.19	-0.31	42.5	?	41	?
	Fort Augustus	58	37	55.2	42.5	48.6	+ 2.4	46	0	4	0.63	-0.15	45.4	?	44	?
1. SCOTLAND, E.	Fort William	63	30	57.3	36.1	46.2	+ 0.6	54	17	1	0.14	-0.15	*	*	*	*
	Nairn	54	40	50.4	42.4	46.2	+ 1.2	29	0	5	0.28	-0.22	35.7	- 0.3	34	- 1
	Aberdeen	60	28	49.6	35.2	42.1	- 0.4	29	19	6	0.55	0.00	27.5†	?	26†	?
	Braemar	65	35	55.7	40.3	47.6	+ 2.9	46	5	5	0.47	-0.07	*	*	*	*
	Ochertyre	59	35	55.0	39.6	46.9	+ 0.7	44	7	4	0.22	-0.18	*	*	*	*
	Leith	59	33	54.1	37.3	45.3	+ 1.1	43	13	5	0.45	-0.10	34.0	?	33	?
2. ENGLAND, N.E.	Marchmont	57	34	52.0	40.1	45.8	+ 2.0	35	5	6	0.48	-0.06	*	*	*	*
	Alnwick Castle	57	31	54.5	37.1	45.4	+ 0.5	44	14	5	0.36	-0.12	21.7	- 7.8	21	- 9
	Durham	54	36	51.4	39.9	45.4	+ 0.4	33	6	5	0.28	-0.12	*	*	*	*
	Shields	57	37	54.2	40.5	47.0	+ 1.0	41	4	5	0.63	+0.21	*	*	*	*
	Scarborough	60	34	55.7	39.3	47.1	+ 0.2	47	8	4	0.31	-0.13	21.4	-12.6	21	-12
	York	56	40	52.6	43.0	47.6	+ 1.8	39	0	5	0.28	-0.04	*	*	*	*
3. ENGLAND, E.	Spurn Head	61	33	56.7	39.7	47.8	+ 0.3	50	6	5	0.57	+0.15	27.8	-12.0	28	-12
	Hillington	58	41	53.7	44.7	49.0	+ 2.9	49	0	6	1.57	+1.15	*	*	*	*
	Yarmouth	61	30	56.7	41.2	48.6	+ 1.3	50	2	6	1.70	+1.29	32.6	- 9.9	33	-10
	Geldeston	62	33	59.4	39.3	48.9	+ 0.7	60	8	6	0.55	+0.15	36.2	- 1.6	36	- 2
	Cambridge	59	31	55.8	38.8	46.9	0.0	48	9	5	0.46	-0.08	35.7	?	36	?
	Rothamsted	60	33	57.3	38.3	47.3	- 0.2	53	10	4	0.36	-0.06	*	*	*	*
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall)	63	28	57.4	37.0	46.7	- 1.5	54	14	6	0.90	+0.45	*	*	*	*
	Loughborough	61	34	56.1	38.1	46.7	- 1.8	49	11	5	0.61	+0.16	*	*	*	*
	Stamford (Ketton Hall)	60	36	53.9	39.3	46.3	+ 0.3	41	8	5	0.73	+0.22	*	*	*	*
	Cheadle	59	37	55.2	38.4	46.4	+ 0.8	46	10	4	0.99	+0.57	41.1	+ 6.1	41	+ 6
	Churchstoke	61	24	58.2	39.0	48.1	+ 0.4	55	8	4	0.43	-0.01	*	*	*	*
	Hereford	59	34	56.0	39.3	47.3	+ 0.6	48	8	6	1.29	+0.77	34.0	- 3.6	34	- 3
5. ENGLAND, S.	Cirencester	60	33	56.4	41.4	48.3	+ 0.6	48	2	6	0.57	+0.13	37.6	+ 1.4	38	+ 3
	Oxford	61	34	59.4	42.4	50.5	+ 1.0	60	0	6	0.94	+0.49	31.2†	-1.3†	31†	- 2†
	London	57	43	55.1	45.3	50.0	+ 2.5	56	0	4	1.15	?	*	*	*	*
	North Foreland	60	31	57.7	41.0	49.0	+ 0.6	53	3	5	0.97	+0.55	*	*	*	*
	Strathfield Turgiss	57	34	55.4	45.1	50.0	+ 2.2	56	0	3	1.32	+0.92	*	*	*	*
	Dungeness	58	39	55.2	43.4	49.0	+ 0.2	49	0	4	1.17	+1.05	35.7	- 6.5	36	- 7
6. SCOTLAND, W.	Hastings (St. Leonards)	63	37	57.4	44.4	50.6	+ 1.4	60	0	5	0.82	+0.30	40.0	- 0.6	40	- 1
	Southampton	58	42	55.0	46.9	50.8	+ 2.8	62	0	5	0.66	+0.22	*	*	*	*
	Hurst Castle	60	35	54.5	40.9	47.4	- 0.1	42	3	6	0.53	?	*	*	*	*
	Stowell	61	36	57.0	43.9	50.1	+ 3.3	57	0	5	0.75	-0.09	*	*	*	*
	Landale (Loch Sunart)	61	39	54.7	42.2	48.2	+ 2.2	43	0	4	0.37	-0.13	31.0	- 2.3	30	- 2
	Glasgow	59	39	53.1	42.7	47.7	+ 0.4	40	0	5	0.31	-0.21	*	*	*	*
7. ENGLAND, N.W.	Ardrossan	64	32	55.9	39.5	47.3	+ 2.1	48	7	3	0.54	-0.12	*	*	*	*
	Glenlee	61	38	54.3	42.5	48.1	+ 1.4	43	0	3	0.21	-0.32	53.3	+ 7.3	52	+ 6
	Douglas (Isle of Man)	57	37	52.9	40.1	46.2	- 0.6	37	5	6	0.41	-0.14	32.8	- 3.6	33	- 2
	Stonyhurst	61	32	56.5	38.9	47.3	0.0	50	9	4	0.28	-0.10	37.7	- 1.3	37	- 1
	Blackpool	58	35	54.8	40.5	47.3	+ 0.6	43	4	6	0.40	-0.06	31.2	?	31	?
	Manchester (Prestwich)	59	34	56.3	41.7	48.7	+ 0.9	48	1	4	0.36	-0.02	*	*	*	*
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	59	40	56.8	43.2	49.7	+ 1.4	54	0	5	0.27	-0.16	48.2	+11.0	48	+10
	Llandudno	59	42	54.4	44.4	49.2	+ 1.2	50	0	3	0.35	-0.07	*	*	*	*
	Holyhead	63	32	57.4	39.9	48.2	+ 1.4	52	6	6	0.32	+0.19	*	*	*	*
	Llandoverly	54	44	51.9	45.0	48.3	+ 1.1	44	0	6	0.81	+0.36	57.8	+11.2	58	+13
	Pembroke	62	38	56.6	43.2	49.6	+ 1.4	53	0	7	1.46	?	*	*	*	*
	Bristol (Montpelier)	58	38	53.7	41.1	47.1	+ 0.6	39	3	7	1.10	+0.43	*	*	*	*
9. IRELAND, N.	Callumpton	60	35	56.0	41.6	48.7	+ 1.0	49	1	6	1.42	+0.80	38.4	+ 2.3	38	+ 2
	Falmouth	55	44	54.5	45.2	49.6	+ 0.9	53	0	6	1.47	+0.78	54.6	+11.0	55	+12
	Plymouth	61	39	54.7	44.3	49.3	- 0.5	51	0	7	1.43	+0.91	50.0	+ 7.3	50	+ 7
	Prawle Point	60	42	53.4	44.4	48.7	+ 1.1	47	0	6	0.53	+0.08	*	*	*	*
	Muln Head	57	40	53.3	43.9	48.4	+ 0.9	45	0	5	0.30	?	*	*	*	*
	Londonderry	64	39	57.8	42.3	49.7	+ 1.6	54	0	7	1.06	+0.54	*	*	*	*
10. IRELAND, S.	Edenfel (Omagh)	58	40	55.7	41.7	48.4	+ 1.8	46	1	5	0.62	+0.14	*	*	*	*
	Behmullet	54	41	53.7	45.6	49.5	+ 0.2	53	0	7	0.52	?	*	*	*	*
	Markree Castle	60	40	55.5	42.7	48.8	+ 1.6	48	0	5	0.93	+0.37	30.2	- 9.5	30	- 8
	Brookeborough	60	40	55.4	42.5	48.6	+ 2.5	46	0	7	1.23	+0.65	*	*	*	*
	Armagh	61	38	54.1	42.7	48.1	+ 1.4	43	0	7	0.62	+0.12	38.1	+ 1.6	37	+ 1
	Donaghadee	57	44	52.4	45.6	48.8	+ 2.0	48	0	6	0.42	-0.06	*	*	*	*
CHANNEL ISLANDS.	Edgeworthstown	61	38	55.5	40.7	47.7	+ 1.2	45	4	6	1.08	+0.56	*	*	*	*
	Dublin	60	42	55.9	44.3	49.8	+ 1.5	55	0	6	0.98	+0.51	47.1	+ 4.9	47	+ 5
	Parsonstown	60	37	55.1	41.7	48.1	+ 0.5	44	1	4	0.44	-0.04	24.8	-14.9	25	-15
	Kilkenny	62	42	55.3	44.0	49.4	+ 1.7	52	0	7	1.45	+0.95	*	*	*	*
	Waterford	63	43	56.0	44.7	50.1	+ 1.1	57	0	6	1.18	+0.61	*	*	*	*
	Roche's Point	61	44	54.0	45.9	49.8	+ 0.5	55	0	6	1.03	+0.28	*	*	*	*
CHANNEL ISLANDS.	Valencia	55	43	53.4	47.0	50.1	+ 0.5	57	0	7	2.27	+1.38	27.3	-15.9	27	-16
	Killarney	58	42	54.7	44.1	49.2	+ 0.3	50	0	7	3.42	?	*	*	*	*
	Foynes	62	43	55.9	46.0	50.7	+ 2.1	61	0	6	0.80	?	*	*	*	*
	Scilly (St. Mary's)	57	41	55.1	45.9	50.3	+ 0.7	58	0	4	0.88	+0.37	58.0	?	58	?
	Jersey	59	35	55.9	46.0	50.7	+ 0.6	61	0	6	1.76	+1.28	33.1	-14.4	33	-15

Stations marked $\mathfrak{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathfrak{S}$ with the Scottish Meteorological Society.

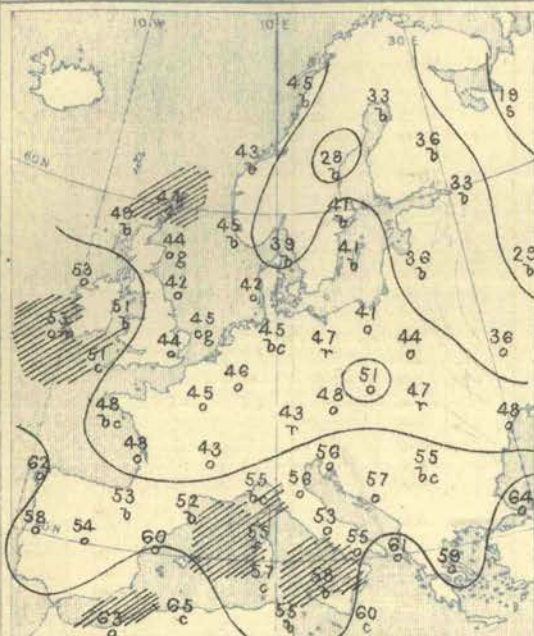
* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 22nd April.

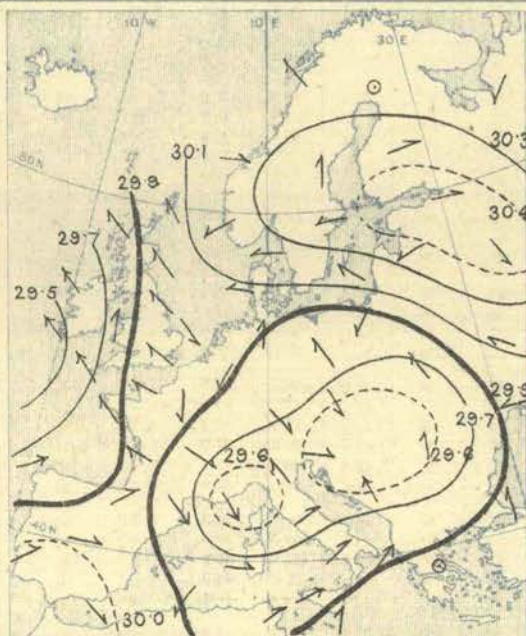
Temperature and Weather.

8 a.m.

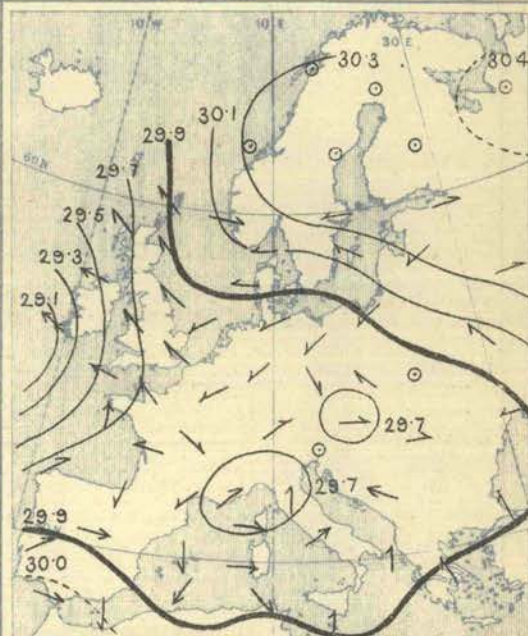


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine in many of the western and northern parts of Great Britain, but cloudy or overcast in Ireland, as well as in the eastern and central parts of the United Kingdom. Fine and bright at most of the Scandinavian and Russian stations, but snow falling at Archangel. Dull in most other Continental countries, with rain at Munich, Lemberg, and Nicolaieff, as well as at Pesaro; fine in the south of France. Rain falling later in the east and south-west of our Islands, as well as in many parts of the Continent; quantity large in isolated places.

Temperature changed little and irregularly. Morning readings highest, 65° at Algiers, 64° at Constantinople, and 63° at Oran; above 55° in most parts of southern Europe, and above 50° on our own extreme western and south-western coasts. Lowest, 19° at Archangel, 28° at Hérnösand, and 29° at Moscow. Daily maxima below 55° in most parts of the United Kingdom, but thermometer reaching 57° at Malin Head and 59° at Nairn; exceeding 65° in the west and south of France, as well as in many parts of Spain and Italy. Ground frost occurring at night over the inland parts of England.

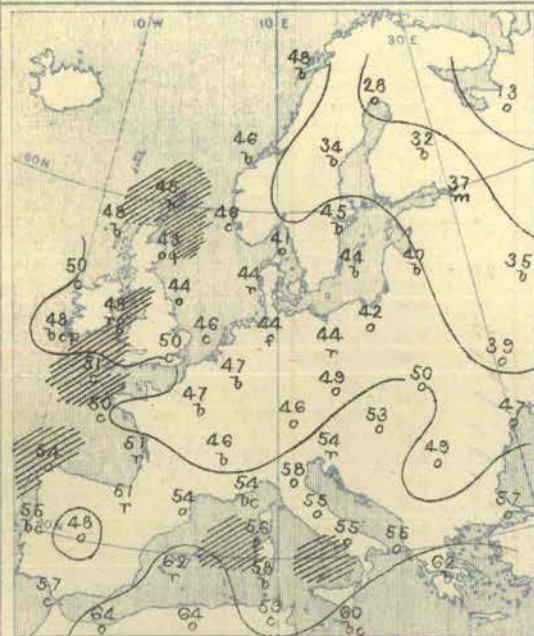
Wind South-Easterly in all the more western and northern parts of the United Kingdom, and also in the west of France, and strong in force in Ireland and the south-west of England; South-Westerly on the Portuguese coasts. Moderate to fresh from the Eastward over Denmark, the Baltic, and the south of Scandinavia; light from the Northward or North-Eastward over the east and south of England, the Netherlands, and the north-east of France; fresh from North-West in the south of France, and from South-West or South in Italy. Subsequently increasing to a gale from the South-Eastward in Ireland and the south-west of England; no important change occurring elsewhere.

Barometer highest, 30.4 ins. and upwards over central Russia and the Gulf of Finland, 30.1 ins. and upwards in an anticyclone covering nearly the whole of Russia and Scandinavia. Lowest, 29.5 ins. and less in a depression lying to the south-west of Ireland, 29.6 ins. and less in two other disturbances, one lying over the Gulf of Genoa, and the other over Austria and the northern parts of the Adriatic. Atlantic depression subsequently advancing steadily eastwards; barometer falling in all parts of western Europe, quickly on our south-west coasts.

Monday, 23rd April.

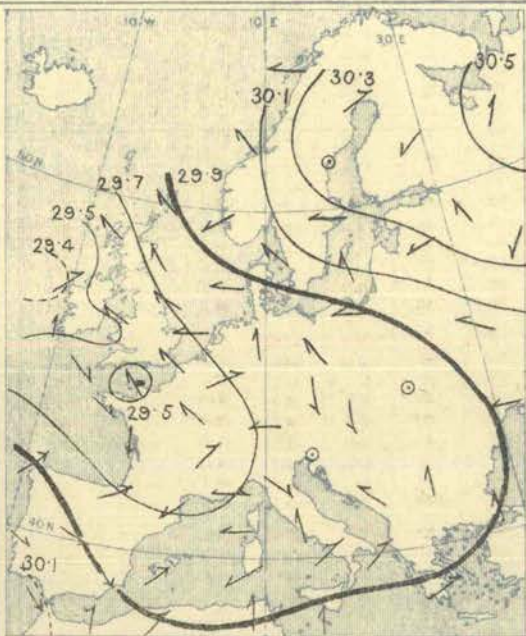
Temperature and Weather.

8 a.m.

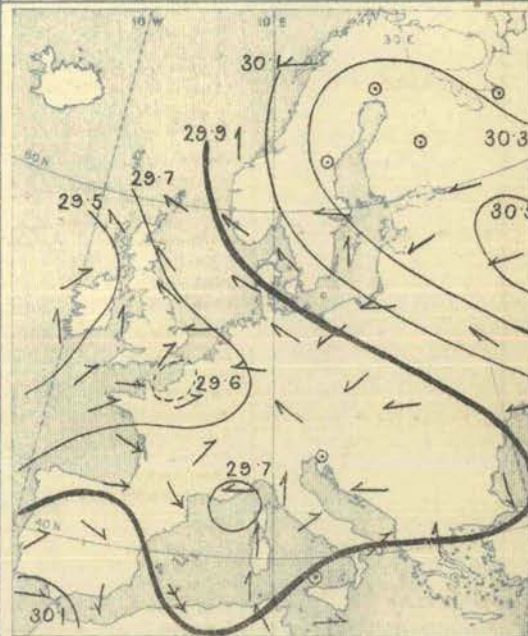


Barometer and Wind.

8 a.m.



6 p.m.



Weather cloudy or overcast in most parts of our Islands, with rain at several of our western and northern stations. Fine in Scandinavia and the northern and central parts of Russia, as well as over the Netherlands and the central and southern parts of France; dull in Italy, Austria, and the south of Russia, rainy at some of the Danish and German stations, and also in the west of France. Rain falling during day in most parts of Europe, heavily in the west and south of France and northern Italy, as well as in Austria; lightning seen at Roche's Point at night.

Temperature risen over England and France, as well as in Scandinavia and Denmark, fallen in most other countries. Morning readings highest, 64° at Oran and Algiers, 62° at Palma and Patras, and 60° at Athens and Malta; above 55° in most parts of southern Europe. Lowest, 13° at Archangel, 28° at Haparanda, and 32° at Kuopio; below 40° at most of the Russian stations. Daily maxima below 50° at several of our own northern stations, but thermometer reaching 55° or more in the south, and 59° in London and at Parsonstown. Exceeding 60° in France, and exceeding 70° at some of the Spanish and Italian stations.

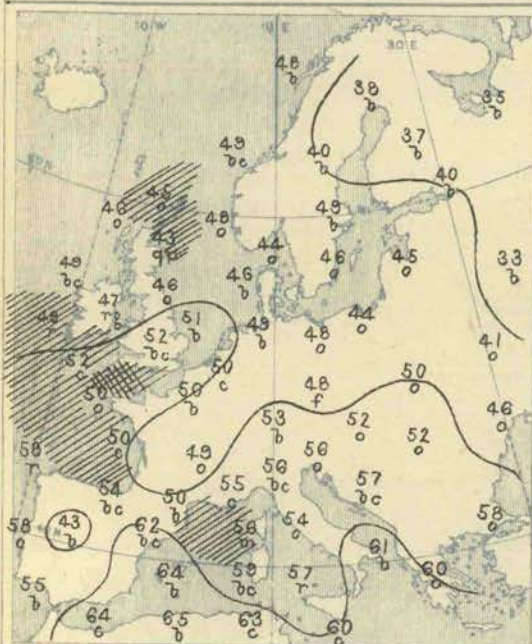
Wind South-Easterly or Easterly in the more northern and eastern parts of our Islands, as well as over Denmark, the Baltic, and the south of Scandinavia; strong in force on the northern coasts of Ireland and Scotland. Light from the Southward in the west and south of Ireland, moderate to strong from west or north-west over the Bay of Biscay and the Spanish Peninsula. Variable over Italy, Austria, and south Germany, light from the Southward in Algeria. Wind subsiding later in the north and north-west, but South-Easterly gale springing up on our extreme south-west coasts at night.

Barometer highest, 30.5 ins. and upwards over northern Russia; 30.1 ins. and upwards in an anticyclone covering nearly the whole of Russia and Scandinavia; 30.0 ins. and upwards in another system over the south-western parts of the Spanish Peninsula. Lowest, 29.4 ins. and less in a depression off the north-west of Ireland; 29.5 ins. and less in a small disturbance over the western parts of the Channel. Both depressions moving north-eastwards later and partially filling up; new and deeper disturbance approaching our south-west coasts at night. Anticyclone over northern Russia moving steadily southwards.

Tuesday, 24th April.

Temperature and Weather.

8 a.m.

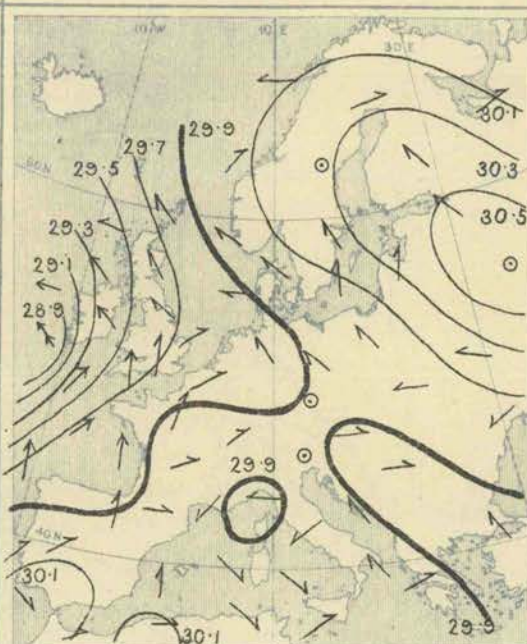


Weather fine in the east and south-east of England, but cloudy or dull in most other parts of our Islands, with rain at some of our western and northern stations. Fine over the greater part of the Continent, but dull over the Baltic, eastern Germany, Austria, and the south of Russia, as well as in the north-west of France and the western parts of the Spanish Peninsula; rain falling at Lorient and Corunna. Rain falling later over nearly the whole of the United Kingdom and the north of France; lightning seen in the north-west of our Islands at night. Thunderstorms occurring in some parts of Germany and Austria.

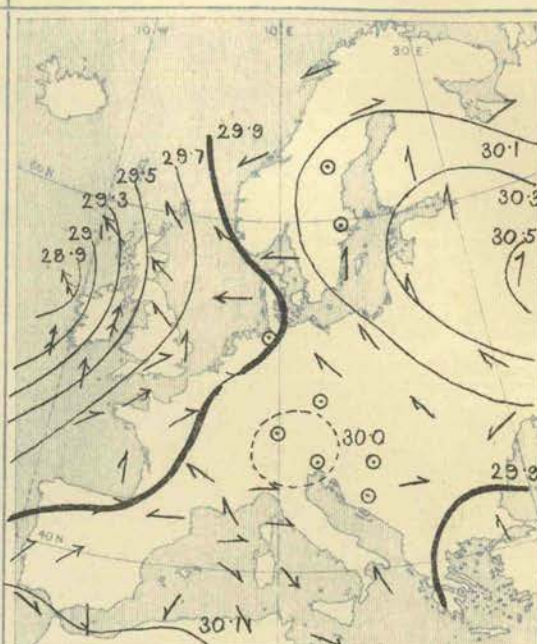
Temperature risen in most places. Morning readings highest, 65° at Algiers, 64° at Palma and Oran, and 63° at La Calle; above 55° in most parts of southern Europe, and above 50° in the south of England. Lowest, 33° at Moscow, 35° at Archangel and Kharkov, and 38° at Haparanda, below 45° in the east of Scotland. Daily maxima below 55° in many parts of the United Kingdom, but thermometer rising to 60° at Loughborough, Cambridge, and in London. Exceeding 65° at several of the French, Spanish, and Italian stations, and reaching 72° at Biarritz, Brindisi, and Palermo.

Barometer and Wind.

8 a.m.



6 p.m.



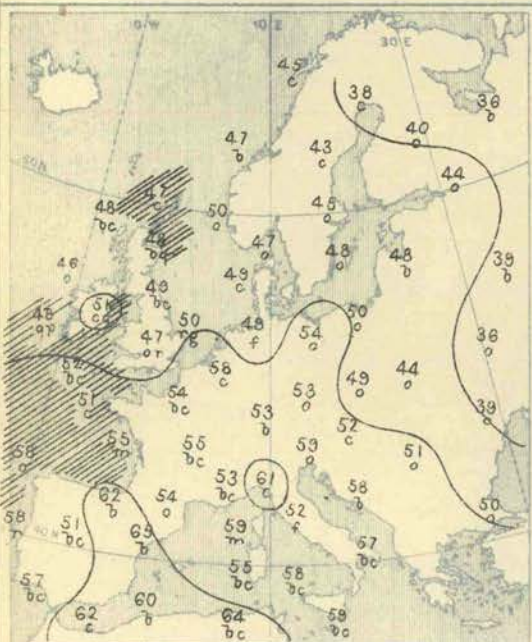
Wind strong from the South-Eastward or Southward on our western coasts with a gale in the south of Ireland, fresh or strong from the Southward over Spain, the Bay of Biscay, and the south of England; moderate from the Eastward or South-Eastward over the northern parts of Great Britain, as well as over Denmark, Germany, the Baltic, and the greater part of Russia. Variable in Austria, Algeria, and the south of France, light from the Eastward or South-Eastward in Italy. Subsequently increasing to a gale from the Southward on our north-west coasts; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over central Russia, 30.1 ins. and upwards in an anticyclone covering the whole of Russia and Sweden, and also in another system over the south of Spain. Lowest, 29.9 ins. and less in a deep depression off the south-west of Ireland; 29.3 ins. and less in a shallow system over north-western Germany; 29.9 ins. and less in two shallow areas lying respectively over the Gulf of Genoa and over Austria and Turkey. Irish depression subsequently moving slowly northward, and barometer rising again on our southern coasts.

Wednesday, 25th April.

Temperature and Weather.

8 a.m.

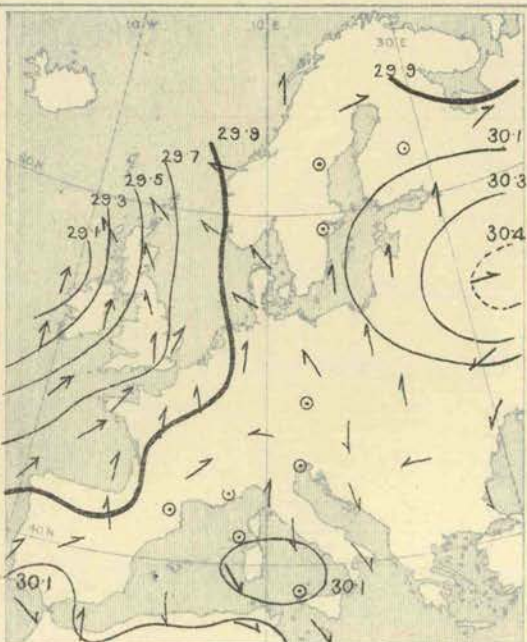


Weather fine over the western and northern parts of our Islands generally, but showery in the south of Ireland; dull and rainy in the south-east of England. Fine in Norway and also in France, Spain, Italy, and south Germany, but dull in most other Continental countries, with rain at Lisbon. Showers falling during day in nearly all parts of the United Kingdom, and also in the west and north of France; thunderstorms occurring over the north of England, as well as at Paris and La Coubre, and lightning in many parts of France. Solar halos seen at Oxford and Jersey.

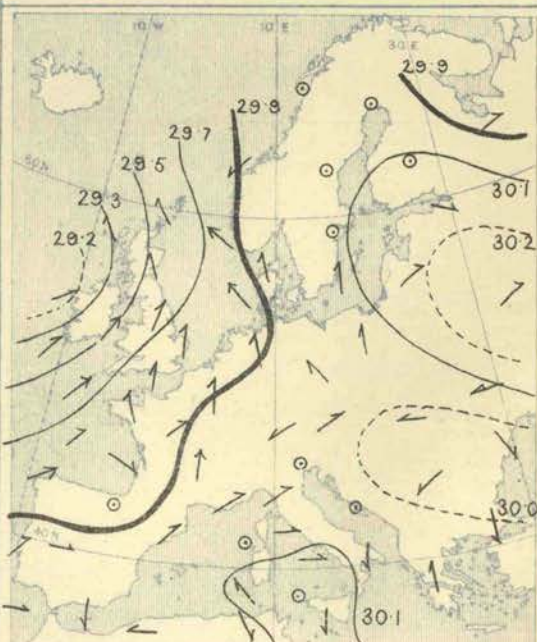
Temperature fallen a little in Ireland and England, as well as in Italy, Poland, and the south of Russia, but risen elsewhere. Morning readings highest, 65° at Barcelona, 64° at La Calle, and 62° at Biarritz and Oran, above 55° at most of the Mediterranean stations, and above 50° in several parts of Scotland. Lowest, 35° at Kharkov, 36° at Archangel and Kiev, and 38° at Haparanda. Daily maxima below 55° in many parts of the United Kingdom, but thermometer reaching 60° at Nairn, Loughborough, and Cambridge. Rising to 70° or more in several parts of southern Europe, and reaching 75° at Bordeaux.

Barometer and Wind.

8 a.m.



6 p.m.



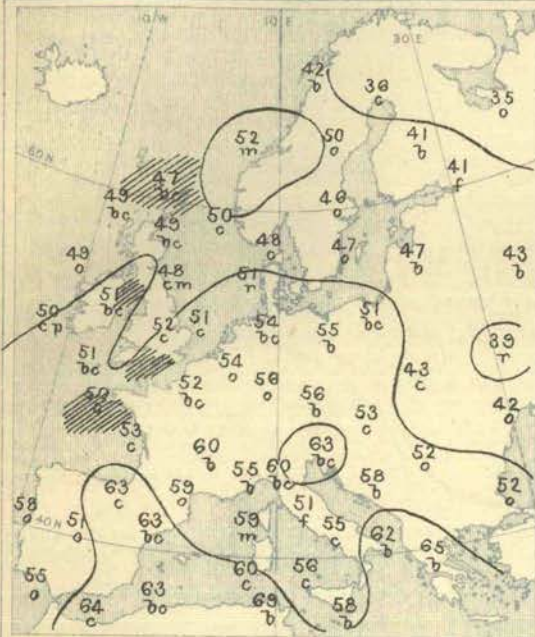
Wind strong to a gale from the Southward or South-Westward on our western coasts, and light to fresh from the same quarter over the Channel, the Bay of Biscay, and the western parts of the Iberian Peninsula. Light or moderate from the South-Eastward over the northern parts of Great Britain and also on the eastern shores of the North Sea. Calm or South-Westerly over Sweden and northern Russia; Easterly or North-Easterly in the south of Russia; Northerly or North-Westerly over the southern parts of Italy and the Adriatic; variable in Algeria and the south of France. No important change occurring during day, but wind subsiding a little at some of our western stations.

Barometer highest, 30.4 ins. and upwards in an anticyclone lying over central Russia; 30.1 ins. and upwards in three other areas lying over the Mediterranean, Algeria, and the south of Spain. Lowest, 29.1 ins. and less in a depression off the west of Ireland. Gradients rather steep over our western coasts generally. Depression filling up slowly during day, but shallow secondary systems advancing over our Islands from the southward. Anticyclone over central Russia becoming less strongly marked.

Thursday, 26th April.

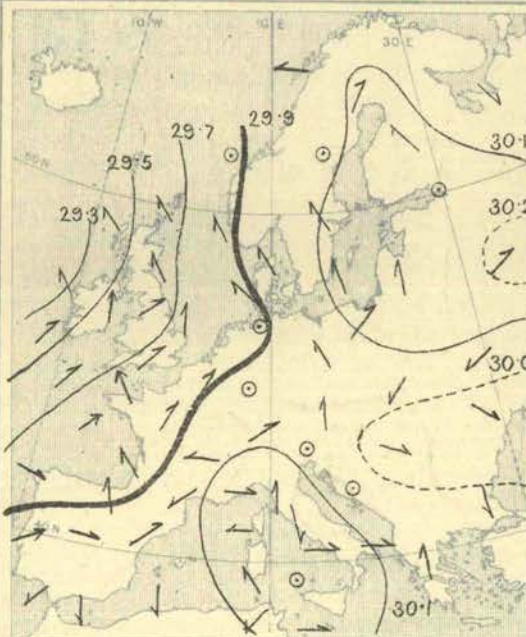
Temperature and Weather.

8 a.m.

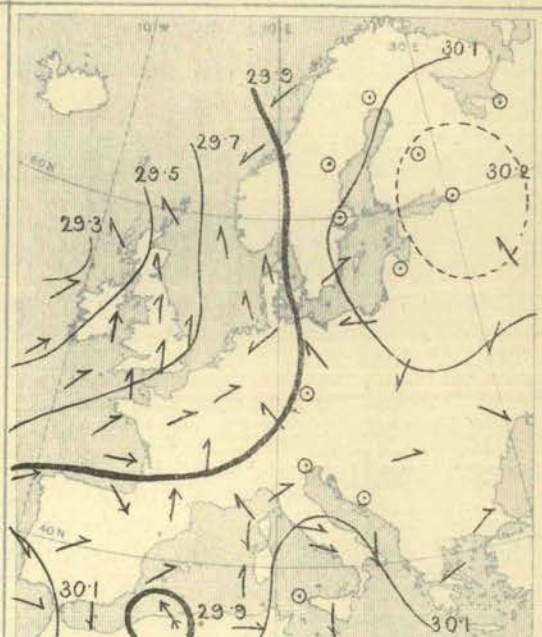


Barometer and Wind.

8 a.m.



8 p.m.



Weather changeable and showery over England and Ireland, but fine in Scotland. Fine over a considerable portion of the Continent, but dull in Denmark, Sweden, and the south of Russia, with rain at Fano and Kiev; dull also over the Spanish Peninsula. Thunderstorms occurring later in many parts of England and also at Paris. Heavy rain falling at night over the Channel and extreme south-east of England and the north of France, the largest amounts being 1.3 ins. at Cape Gris Nez, and 1.1 ins. at Lorient and Limoges.

Temperature changed very irregularly. Morning readings highest, 69° at La Calle, 65° at Bilbao and Patras, and 64° at Oran; above 55° in most parts of southern Europe, but below that point in the central parts of Spain and Italy. Lowest, 35° at Archangel, 36° at Haparanda, 39° at Kiev, and 41° at Uleaborg, Kuopio, and St. Petersburg. Daily maxima below 55° in many parts of the United Kingdom, but thermometer reaching 60° at Nairn and in London, and 62° in Cambridge. Rising to 70° or more over Germany and the south of France, as well as in some parts of Spain and Italy.

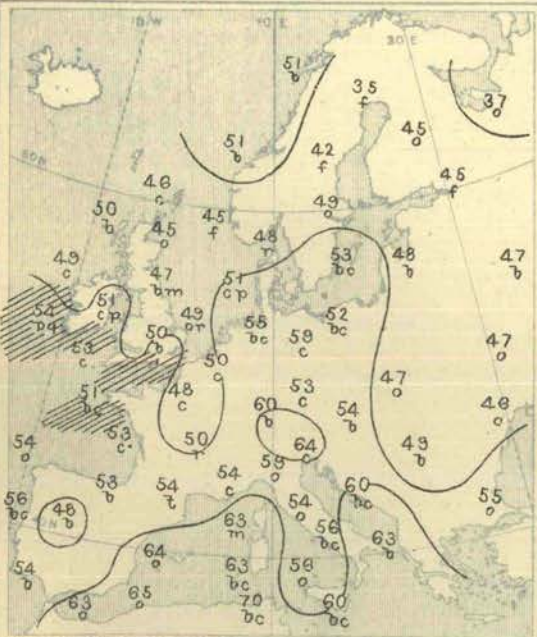
Wind Southerly (South-East to South-West) over the greater part of western and central Europe; light or moderate in force generally, but strong on some parts of our own western and southern coasts. Variable over the northern parts of Russia, light from the Eastward or North-Eastward over the south of Russia, and from the North-Westward or Westward in Italy. South-Westerly in Spain; variable in Algeria. Subsequently veering to the South-Westward in the west and south of our Islands, and to the Westward or North-Westward in the west of France, no important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards in an anticyclone lying over the Baltic and the western and central parts of Russia, and also in another system over Italy and the central parts of the Mediterranean. Lowest, 29.3 ins. and less in a depression lying to the westward of our Islands. Shallow secondary disturbances moving in a northerly or north-easterly direction across western Europe during day, and barometer falling a little in most places.

Friday, 27th April.

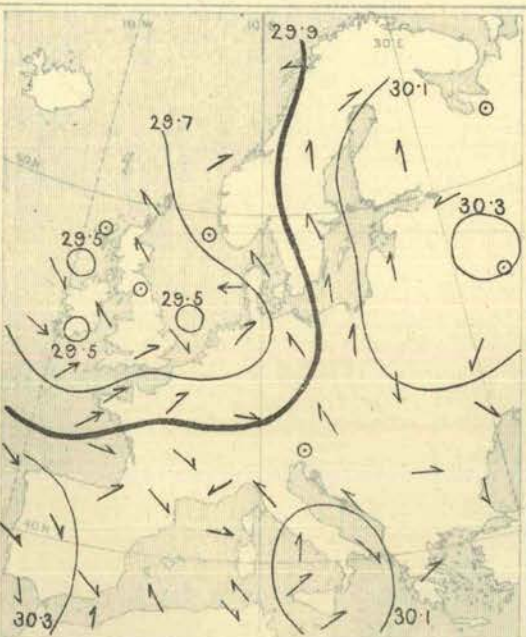
Temperature and Weather.

8 a.m.

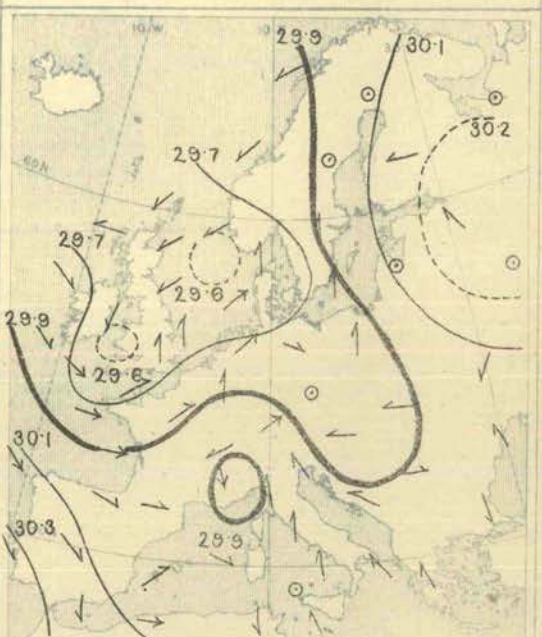


Barometer and Wind.

8 a.m.



8 p.m.



Weather changeable and showery over western Europe generally, but fine at some of the Scotch stations, and also in the west of Norway. Foggy over the north of England, as well as in the south of Norway and the north of Sweden. Dull over Russia and also over northern Italy; fine over the Baltic, eastern Germany, and Austria, as well as in Spain and the south of Italy. Showers occurring during day over nearly the whole of England and Ireland, and considerable fall of rain at some of the French, German, and Italian stations. Thunderstorms occurring at Ardrossan and Paris, and lightning seen at Lyons.

Temperature changed irregularly. Morning readings highest, 70° at La Calle, 66° at Athens, and 65° at Algiers; above 60° at some of the Mediterranean and Adriatic stations, and above 55° on the coasts of the Spanish Peninsula. Lowest, (1) 35° at Haparanda, 37° at Archangel, and 42° at Herösand; (2) 41° at York and 44° at Loughborough. Daily maxima below 55° in many parts of the United Kingdom, but thermometer reaching 62° at Cambridge and 63° at Loughborough. Exceeding 65° in Germany and the south of France, and exceeding 70° at most of the Italian stations.

Wind fresh from the Westward over the southern parts of the United Kingdom; moderate from the same quarter or from South-West over France and Spain. Moderate to strong from the South-Eastward over Denmark, Germany, and the Netherlands, and light from the same quarter over the northern parts of Great Britain, but North-Westerly in the east of England. Southerly in Sweden, variable in Russia, Austria, Italy, and Algeria. Subsequently veering to the North-Westward on our south-west coasts, and blowing strongly; shifting to the North-Eastward over the northern parts of our Islands.

Barometer highest, 30.3 ins. and upwards in an anticyclone over central Russia; 30.2 ins. and upwards in another system over the south-western parts of the Spanish Peninsula. Lowest, 29.5 ins. and less in three small depressions, one lying off the north-west of Ireland, another over the south-east of that country, and a third off the east of England. Low pressure systems subsequently filling up either partially or entirely, and barometer rising over the whole of the United Kingdom.

Saturday, 28th April.

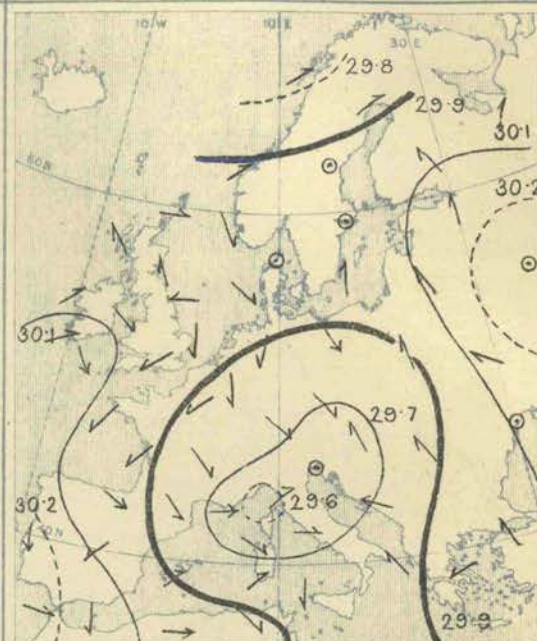
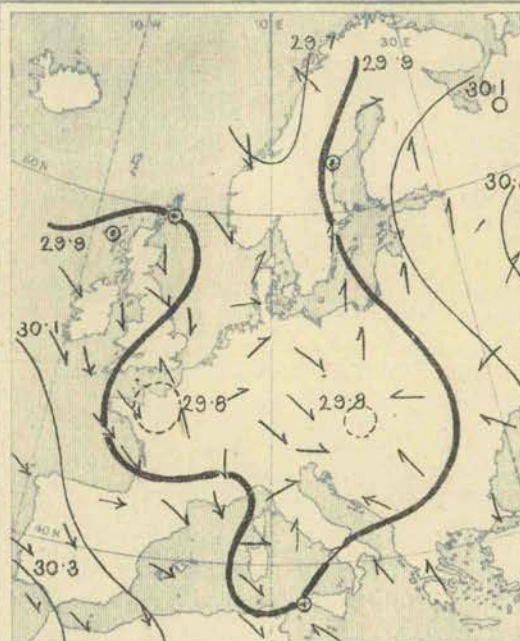
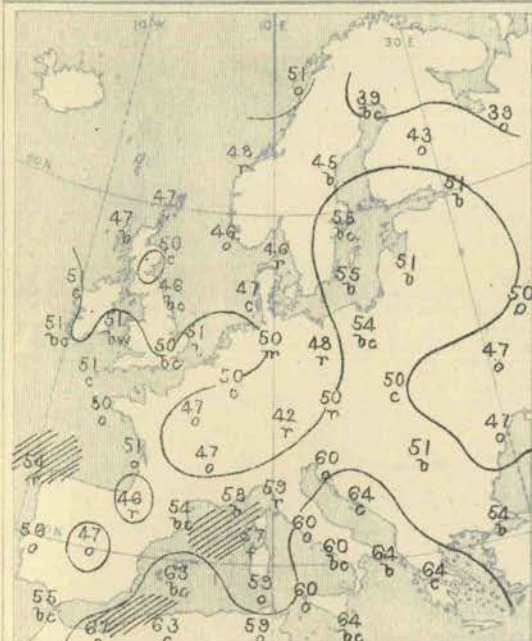
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine over the greater part of the United Kingdom, but dull at some of the central stations. Fine over Sweden, the Baltic, and western Russia, and also in the southern parts of France and Italy; cloudy in other portions of the Continent, with rain at some of the Norwegian, Danish, and German stations, as well as in the north of Spain and the south-west of France. Showers falling during day at several of our own southern stations, and heavy rain in some parts of southern Europe. Thunder heard in London and Paris, lightning seen at Biarritz, and a thunderstorm with heavy rain reported at Algiers.

Temperature fallen in France and Germany, but risen in most other countries. Morning readings highest, 67° at Nemours, 66° at Sfax, and 64° at Lesina, Brindisi, Athens, Patras, and Malta; above 55° at most of the Mediterranean and Adriatic stations. Lowest, (1) 39° at Haparanda and Archangel, and 43° at Kuopio; (2) 42° at Munich, and 45° at Le Mans and Limoges; (3) 45° at Nairn, York, and Parsonstown. Daily maxima below 55° at several of our own eastern and western stations, but thermometer reaching 61° at Roche's Point and in London, and 63° at Nairn; exceeding 65° in many parts of southern Europe.

Wind Northerly in most parts of the United Kingdom, and fresh in force in the south-west of England; fresh or strong from the Westward or North-Westward over Spain and the west and south of France. Light from between South and East over the eastern parts of the English Channel. Southerly or South-Easterly over Sweden, the Baltic, and western Russia; well-marked cyclonic circulations shown respectively over Germany and over Italy and the Gulf of Genoa. Subsequently backing to the South-Westward in Ireland and to the South-Eastward at some of the Scotch stations. Veering to the Northward over Portugal and the Bay of Biscay.

Barometer highest, 30.3 ins. and upwards over central Russia and also in the south of Spain. Lowest, 29.7 ins. and less in a large shallow depression off the west of Norway and also in a smaller disturbance over the Gulf of Genoa; 29.8 ins. and less in a depression lying over the Channel and north of France. Norwegian depression subsequently travelling away to the northward; Channel disturbance passing southward and entirely filling up. Further low-pressure systems beginning to approach our extreme north-west coasts in evening.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The distribution of barometrical pressure observed during the past week was very complex. During the early part of the time the barometer was highest over Sweden and Russia, and, while shallow disturbances were observed over various parts of southern Europe and the Mediterranean, two depressions of considerable depth advanced to our Islands from the Atlantic. The first of these appeared off the south-west of Ireland on the 22nd, and, after producing South-Easterly gales and heavy rain on our western coasts, broke up completely in the course of the ensuing night. The second advanced to the Irish coasts 24 hours later and moved slowly northwards, its progress being attended by strong Southerly gales in the south of Ireland, and by moderate or fresh gales in the west of our Islands generally. On the 25th and 26th several small secondary disturbances passed over western Europe from south to north, and produced thunderstorms and heavy showers in many places.

After the 26th a new anticyclone began to approach our Islands from the Atlantic, and, as the high pressure system over Russia still prevailed, numerous shallow depressions began to form in the intervening regions, several distinct centres being shown over our Islands on the 27th. During the following night, however, these either dispersed or moved away to the south-eastward, while the western anticyclone spread over the greater part of the United Kingdom, with light Northerly or North-Westerly winds and fair weather. At the close of the week the barometer was beginning to fall again on our north and north-west coasts, so that the conditions were still far from settled.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 98.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	43.5	?	42	?	EASTBOURNE	37.0	?	38	?
OSWALDKIRK (Yorkshire)	17.3	?	17	?	MANCHESTER (Oldham Road)	35.2*	?	35*	?
WORKSOP	20.7	-12.0	20	-12	TENBY	56.3*	?	56*	?
THURCASTON (Leicestershire)	26.5	-3.0	26	-5	NEWQUAY	58.1	?	58	?
MARGATE	41.2	?	41	?	TORQUAY	45.0*	?	46*	?
WESTBOURNE (Sussex)	34.2	?	34*	?	ARLEY COTTAGE (County Cavan)	40.2	?	30	?
BRIGHTON	36.4	?	36	?	GUERNSEY	47.7*	?	48*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Third Series.

WEEK ENDING SATURDAY, 5TH MAY, 1894.

[Price 6d.
Annual Subscription,
post paid, £1 10s. 0d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE
UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. **RAINFALL.**—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1869-93, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. **BRIGHT SUNSHINE.**—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 104.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	61	32	51.3	39.4	45.0	0 (average)	Day-deg. 32	Day-deg. - 1	Day-deg. 7	Day-deg. - 4	Day-deg. 354*	Day-deg. +148	Day-deg. 454*	Day-deg. - 68
	1. SCOTLAND, EAST	65	30	55.4	39.9	47.2	1 above.	45	+ 8	6	- 2	384	+ 93	543	- 14
	2. ENGLAND, N.E.	60	34	53.7	41.1	47.0	1 above.	39	- 1	3	- 2	415	+130	433	- 61
	3. ENGLAND, EAST.	68	34	55.1	40.0	47.1	1 below.	44	- 9	6	0	540	+178	459	- 98
	4. MIDLAND COUNTIES.	63	33	53.3	40.4	47.9	1 below.	51	- 3	2	- 5	571*	+180	457*	- 92
	5. ENGLAND, SOUTH	66	35	56.7	42.2	49.0	1 below.	49	-10	0	- 4	595	+174	300	-119
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	61	35	53.5	42.0	47.4	0 (average)	38	- 8	0	- 6	423	+118	322	- 83
	7. ENGLAND, N.W.	59	34	52.8	43.0	47.6	1 below.	39	-10	0	- 5	514	+201	288	-128
	8. ENGLAND, S.W.	63	32	56.6	43.7	49.8	1 above.	55	+ 2	0	- 3	610	+189	229	- 86
	9. IRELAND, NORTH	58	38	53.2	43.7	48.2	0 (average)	43	- 6	0	- 5	509	+115	318	- 42
	10. IRELAND, SOUTH	62	36	56.0	45.8	50.6	1 above.	60	+ 6	0	- 3	650	+156	209	- 72
	-CHANNEL ISLANDS	58	41	55.2	47.4	51.1	0 (average)	64	+ 7	0	0	748	+233	94	- 18

DISTRICTS. (See p. 104.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in. 9	10ths of ins. 3 more.	83*	- 3	Ins. 22.6*	+ 5.5	30	-11	28	- 10	361	+ 39	30	+ 4
	1. SCOTLAND, EAST	5	5	1 more.	74	+ 6	12.8	+ 2.8	39	+ 2	36	+ 2	446	+ 81	36	+ 7
	2. ENGLAND, N.E.	4	3	1 less.	69	+ 4	6.7	- 1.1	39	+ 4	37	+ 3	470	+128	35	+ 11
	3. ENGLAND, EAST.	4	2	2 less.	65	+ 1	6.5	- 1.1	34	- 9	33	- 9	518	+ 97	37	+ 8
	4. MIDLAND COUNTIES.	3	2	3 less.	70	+ 9	7.7	- 0.9	29	- 8	28	- 8	475	+169	34	+ 9
	5. ENGLAND, SOUTH	3	3	2 less.	65	+ 4	8.4	- 0.5	38	- 6	37	- 6	552	+112	37	+ 10
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	5	1 less.	86	+13	21.2	+ 3.9	39	- 3	37	- 3	426	+ 47	31	+ 6
	7. ENGLAND, N.W.	5	5	0 (average)	76	+ 9	11.8	+ 1.6	24	-15	22	- 15	413	+ 83	33	+ 8
	8. ENGLAND, S.W.	3	3	3 less.	74	+ 5	13.0	- 0.5	38	- 7	37	- 7	570	+ 98	39	+ 9
	9. IRELAND, NORTH	5	4	1 less.	88	+12	15.5	+ 4.2	25	-19	24	- 17	400	+ 33	30	+ 4
	10. IRELAND, SOUTH	3	4	2 less.	85	+13	15.6	+ 2.1	30	-14	29	- 13	452	+ 7	33	+ 3
	-CHANNEL ISLANDS	4	3	2 less.	76	+ 1	10.9	- 0.3	44	- 6	43	- 7	606	+ 79	44	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was again rather unsettled, with frequent falls of rain in the north and west, and occasional showers in the south and east. Hail, sleet, or snow prevailed in many parts of Scotland on Friday.

Temperature did not differ materially from the mean. The highest of the maxima were recorded on April 29th, when they ranged from 68° in England E. and the Midland Counties to 58° in Ireland N. and the Channel Islands. The lowest of the minima were registered, as a rule, on May 5th, and ranged from 30° in Scotland E., and 32° in Scotland N. and England S.W., to 38° in Ireland N., and to 41° in the Channel Islands.

Rainfall just equalled the mean in England N.W., and was rather more in Scotland N. and E.; in all other districts the fall was somewhat less than the normal.

Bright Sunshine was less than the mean in nearly all districts, especially in the west. The percentage of the possible duration ranged from 43 in the Channel Islands, and from 37 in England N.E., S., and S.W., and in Scotland W., to 25 in Scotland N. and the Midland Counties, and to 27 in England N.W.

Barometer and Wind.—During the greater part of the period the barometer was highest in the west or south-west, and no depressions of importance appeared in our neighbourhood. Towards the end of the week, however, a well-defined depression of increasing intensity moved south-eastwards over the northern parts of the North Sea, and caused the wind, which had previously been light or moderate from between North and West, to increase considerably from the North-Westward on all our coasts, and to attain the force of a gale at some of the Scotch stations.

II.—DATA from which the SUMMARY on page 103 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head . . .	51	33	48.4	40.0	44.0	+ 0.8	22	6	7	1.05	+0.64	*	*	*	*
	Stornoway . . .	54	32	50.0	38.0	43.6	- 1.6	28	11	6	0.56	-0.01	30.5	-11.0	28	-10
	Wick . . .	58	32	51.3	38.1	44.3	- 0.5	32	11	7	1.18	+0.76	*	*	*	*
	Laing . . .	58	33	52.6	38.7	45.2	- 0.1	36	9	4	0.14	-0.36	*	*	*	*
	Glencarron . . .	55	32	50.7	36.9	43.4	- 1.7	31	14	7	2.06	+1.07	*	*	*	*
	Fort Augustus . . .	61	33	54.6	40.6	47.2	+ 1.6	42	4	4	0.44	-0.06	28.4	?	26	?
1. SCOTLAND, E.	Fort William . . .	56	37	51.6	43.4	47.3	+ 0.1	37	0	4	0.72	-0.06	30.8	?	29	?
	Nairn . . .	60	31	55.3	39.3	46.8	+ 0.1	45	8	6	0.45	+0.15	*	*	*	*
	Aberdeen . . .	60	33	53.6	40.3	46.6	+ 0.5	39	5	7	0.72	+0.23	40.9	+ 2.2	38	+ 2
	Braemar . . .	59	30	51.8	37.9	44.4	+ 0.9	34	11	7	0.58	+0.05	34.5†	?	32†	?
	Ochertyre . . .	65	32	58.7	39.9	48.7	+ 2.1	56	6	3	0.33	-0.17	*	*	*	*
	Leith . . .	62	36	57.7	42.3	49.5	+ 2.1	53	0	4	0.47	+0.07	*	*	*	*
2. ENGLAND, N.E.	Marchmont . . .															
	Alnwick Castle . . .	60	35	52.6	41.7	46.8	+ 2.0	35	1	7	0.46	-0.08	*	*	*	*
	Durham . . .	60	34	54.7	39.2	46.5	+ 0.5	43	8	5	0.34	-0.13	30.1	+ 5.9	37	+ 4
	Shields . . .	57	34	53.1	40.4	46.4	+ 0.3	33	4	3	0.53	+0.13	*	*	*	*
	Scarborough . . .	59	36	53.4	40.6	46.6	- 0.5	38	4	3	0.21	-0.21	*	*	*	*
	York . . .	60	34	56.3	41.4	48.4	+ 0.4	47	2	4	0.23	-0.21	39.0	+ 1.5	37	+ 2
3. ENGLAND, E.	Spurn Head . . .	58	38	52.1	43.0	47.3	+ 0.3	37	0	3	0.10	-0.22	*	*	*	*
	Hillington . . .	66	35	55.5	39.1	46.8	- 1.6	46	8	4	0.15	-0.27	34.0	- 8.9	33	- 9
	Yarmouth . . .	55	35	51.1	41.6	46.1	- 1.4	30	1	5	0.37	-0.06	*	*	*	*
	Geldeston . . .	60	34	54.6	39.3	46.5	- 1.7	43	8	6	0.32	-0.09	30.8	-15.5	30	-15
	Cambridge . . .	68	35	58.0	39.7	48.3	- 1.0	54	6	2	0.11	-0.29	36.4	- 3.6	35	- 4
	Rothamsted . . .	64	34	56.1	40.1	47.6	- 0.4	47	5	4	0.21	-0.32	53.6	?	53	?
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall) . . .	64	33	56.7	38.7	47.2	- 1.4	50	9	5	0.16	-0.27	*	*	*	*
	Loughborough . . .	68	33	57.1	39.6	47.8	- 1.5	51	7	3	0.18	-0.29	*	*	*	*
	Stamford (Ketton Hall) . . .	64	34	57.9	39.7	48.3	- 1.3	54	6	2	0.14	-0.36	*	*	*	*
	Cheadle . . .	61	36	52.9	40.8	46.5	- 0.5	37	3	5	0.40	-0.12	*	*	*	*
	Churchstoke . . .	60	33	54.3	39.8	46.6	0.0	41	6	5	0.22	-0.22	25.5	-12.0	24	-13
	Hereford . . .	62	36	56.9	41.9	49.0	+ 0.2	49	0	2	0.13	-0.32	*	*	*	*
5. ENGLAND, S.	Cirencester . . .	64	34	56.4	40.9	48.2	+ 0.4	48	3	2	0.19	-0.31	29.1	-16.9	28	-11
	Oxford . . .	65	36	58.1	41.3	49.2	0.0	53	2	3	0.26	-0.19	31.7	- 8.3	31	- 6
	London . . .	66	36	57.7	41.9	49.3	- 1.3	52	0	4	0.17	-0.27	29.9†	- 6.1†	29†	- 6†
	North Foreland . . .	59	41	54.1	43.7	48.6	- 0.1	46	0	3	0.19	?	*	*	*	*
	Strathfield Turgiss . . .	65	35	58.7	40.2	48.9	- 0.5	56	5	4	0.19	-0.23	*	*	*	*
	Dungeness . . .	59	36	55.9	41.9	48.5	- 0.9	46	0	3	0.16	-0.24	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards) . . .	57	40	55.1	41.8	48.1	- 1.8	44	1	3	0.41	+0.01	44.0	- 2.1	43	- 2
	Southampton . . .	62	38	59.6	42.2	50.4	0.0	59	0	3	0.30	-0.20	35.2	- 7.9	34	- 8
	Hurst Castle . . .	60	40	56.7	44.9	50.5	+ 1.0	60	0	3	0.25	-0.17	*	*	*	*
	Stowell . . .	61	35	55.8	40.9	47.9	- 0.5	46	3	4	0.36	?	*	*	*	*
	Laudale (Loch Sunart) . . .	61	35	53.1	41.8	47.1	- 0.6	37	1	6	0.93	+0.09	*	*	*	*
	Glasgow . . .	58	36	53.6	41.8	47.4	+ 0.1	39	1	5	0.52	+0.02	40.0	+ 4.8	37	+ 5
7. ENGLAND, N.W.	Ardrossan . . .	59	37	52.9	43.3	47.8	- 0.7	44	0	5	0.20	-0.32	*	*	*	*
	Glenlee . . .	59	35	54.1	39.7	46.5	+ 0.2	41	6	4	0.29	-0.38	*	*	*	*
	Douglas (Isle of Man) . . .	58	40	53.8	43.3	48.2	+ 0.7	43	0	6	0.42	-0.09	37.7	-10.5	36	-11
	Stonyhurst . . .	55	35	51.4	41.0	45.9	- 2.2	32	3	5	0.88	+0.31	34.7	- 4.3	33	- 4
	Blackpool . . .	59	39	53.8	43.7	48.3	- 0.2	44	0	6	0.32	-0.08	20.3	-21.5	19	-20
	Manchester (Prestwich) . . .	56	34	52.1	37.9	44.6	- 3.1	35	11	4	0.60	+0.12	24.6	?	23	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston) . . .	59	42	53.4	44.4	48.6	- 0.3	46	0	6	0.52	+0.12	*	*	*	*
	Llandudno . . .	56	43	53.1	45.7	49.2	- 0.1	50	0	5	0.37	-0.06	18.7	-21.1	18	-21
	Holyhead . . .	56	43	53.0	45.0	48.8	- 0.3	48	0	3	0.22	-0.21	*	*	*	*
	Llandovery . . .	62	32	57.1	39.7	47.9	- 0.2	51	6	5	0.43	-0.15	*	*	*	*
	Pembroke . . .	58	44	52.4	46.0	49.5	+ 1.0	53	0	3	0.11	-0.34	35.3	-12.5	34	-12
	Bristol (Montpelier) . . .	63	39	59.2	44.1	51.2	+ 1.9	64	0	3	0.24	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon) . . .	57	36	54.9	41.0	47.5	+ 0.1	43	3	5	0.22	-0.45	*	*	*	*
	Cullompton . . .	63	35	58.9	42.3	50.1	+ 1.2	57	0	2	0.15	-0.42	34.6	- 3.7	34	- 4
	Falmouth . . .	60	43	56.1	46.5	51.0	+ 1.1	63	0	3	0.34	-0.33	39.8	- 5.5	39	- 6
	Plymouth . . .	59	40	56.0	45.1	50.2	- 0.9	57	0	2	0.25	-0.25	39.0	- 5.0	38	- 5
	Prawle Point . . .	61	41	57.4	44.6	50.6	+ 1.9	60	0	2	0.17	-0.24	*	*	*	*
	Malin Head . . .	53	41	50.4	45.1	47.6	- 1.1	39	0	5	0.41	?	*	*	*	*
10. IRELAND, S.	Londonderry . . .	58	40	53.5	43.8	48.4	- 0.8	45	0	5	0.44	-0.07	*	*	*	*
	Edenfel (Omagh) . . .	57	39	52.7	41.9	47.0	- 0.5	35	0	5	0.40	-0.08	*	*	*	*
	Belmullet . . .	53	45	52.3	46.0	49.0	- 1.2	49	0	5	0.41	?	*	*	*	*
	Markree Castle . . .	57	41	54.1	44.2	48.9	+ 0.9	48	0	6	0.58	+0.07	22.2	-18.0	21	-18
	Brookeborough . . .	57	40	53.6	42.7	47.8	+ 0.5	41	0	5	0.29	-0.28	*	*	*	*
	Armagh . . .	53	38	54.5	41.8	47.8	0.0	41	1	5	0.18	-0.31	20.5	-18.3	20	-17
CHANNEL ISLANDS.	Donaghadee . . .	57	43	53.6	45.4	49.3	+ 1.4	51	0	6	0.33	-0.17	*	*	*	*
	Edgeworthstown . . .	57	39	54.1	42.2	47.8	+ 0.3	41	0	4	0.55	+0.03	*	*	*	*
	Dublin . . .	60	41	55.6	45.4	50.2	+ 0.7	57	0	4	0.31	-0.15	30.3	-14.5	29	-14
	Parsonstown . . .	60	36	55.4	44.4	49.6	+ 1.1	53	0	2	0.34	-0.14	24.5	-16.6	24	-17
	Kilkenny . . .	62	39	56.3	45.3	50.5	+ 1.6	60	0	3	1.28	+0.81	*	*	*	*
	Waterford . . .	61	37	58.2	44.1	50.7	+ 0.8	61	0	2	0.15	-0.39	*	*	*	*
CHANNEL ISLANDS.	Roche's Point . . .	60	44	57.4	46.9	51.3	+ 1.6	69	0	3	0.11	-0.63	*	*	*	*
	Valencia . . .	57	46	54.4	48.7	51.4	+ 1.3	66	0	3	0.58	-0.26	33.8	-11.2	33	-10
	Killarney . . .	59	38	56.3	44.5	50.1	+ 0.5	57	0	4	0.23	?	*	*	*	*
	Foynes . . .	57	44	54.0	47.4	50.5	+ 1.2	60	0	4	0.20	?	*	*	*	*
	Scilly (St. Mary's) . . .	56	47	54.3	48.0	51.0	+ 0.5	63	0	3	0.24	-0.24	39.4	?	39	?
	Jersey . . .	58	41	56.1	46.7	51.1	- 0.1	64	0	4	0.37	-0.10	43.6	- 6.4	43	- 7

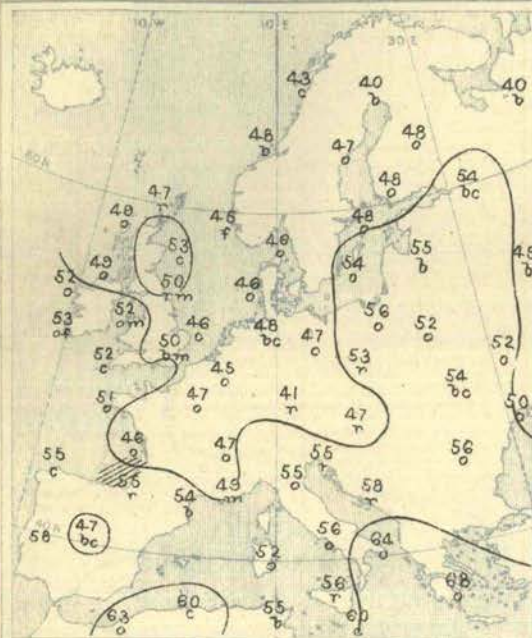
Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 29th April.

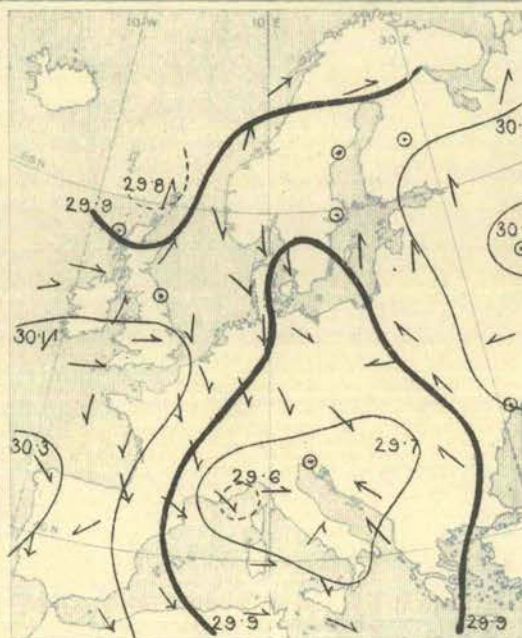
Temperature and Weather.

8 a.m.

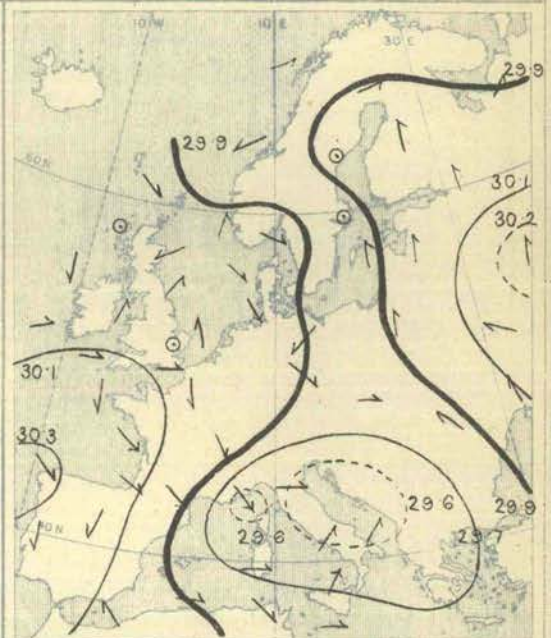


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine and bright over Russia and the northern parts of Scandinavia, as well as over the eastern half of England and the greater part of the Spanish Peninsula, dull elsewhere, very unsettled over the eastern parts of the Mediterranean and central Europe, rainy at some stations in the north of the British Islands. Rain falling later in small quantities over the greater part of our Islands, the Baltic, Germany, and France, and heavily over northern Italy and Austria; fog prevailing temporarily over the Channel and south of England.

Temperature risen over Scotland and Ireland, changed little and irregularly elsewhere. Morning readings highest, 68° at Patras, 66° at Sfax, and above 60° at the Algerian stations and Brindisi; above 50° in Portugal, in the west and south of our Islands, and many parts of Russia and south-eastern Europe. Lowest, (1) 40° to 43° in the extreme north of Europe, 48° at York; (2) 41° to 47° in many parts of Germany, 47° at Paris. Rising later to 60° or more in many parts of France and our Islands (68° at Cambridge and Loughborough), and to 50° and more in most other places, but touching 70° at very few stations.

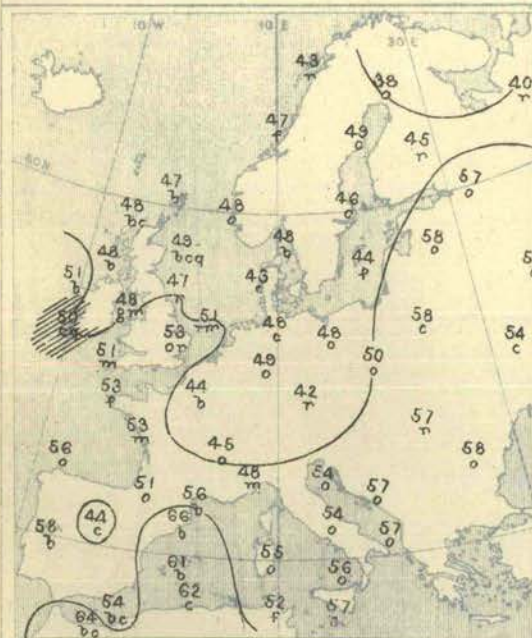
Wind very variable in direction, moderate to very light in force; (1) South-Westerly in the west and north of our Islands, South-South-Westerly in the north-west of Norway; (2) Northerly, moderate, over Spain, France, northern and western Germany, North-Westerly over the western part of the Baltic and Algeria, Westerly over Tunis; South-Easterly over south-eastern Europe and Russia, Southerly over the Baltic and Finland. Shifting Northward over the north-western parts of our Islands later, and becoming very variable over Germany; very little change elsewhere.

Barometer highest, 30.3 ins. and more to 30.0 ins. in two anticyclones, one lying directly over Russia, the other spreading in from the Atlantic over England, Ireland, and western Europe. Lowest, (1) 29.8 ins. and less near the Shetlands; (2) 29.7 ins. in a large depression of irregular form lying over the Mediterranean, Italy, and the Adriatic. Shallow disturbance appearing over northern Europe later.

Monday, 30th April.

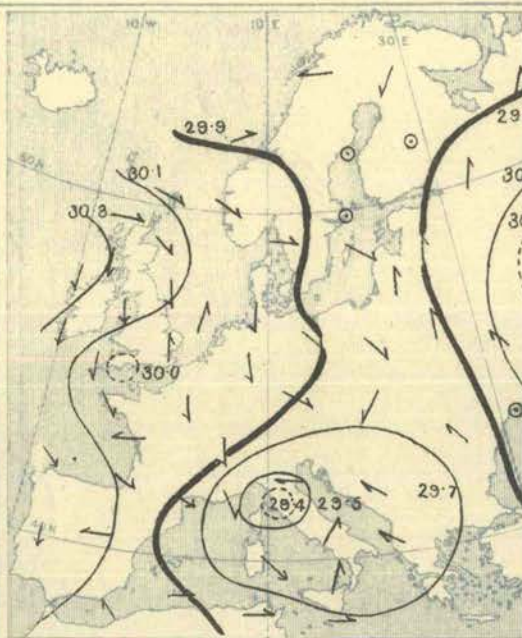
Temperature and Weather.

8 a.m.

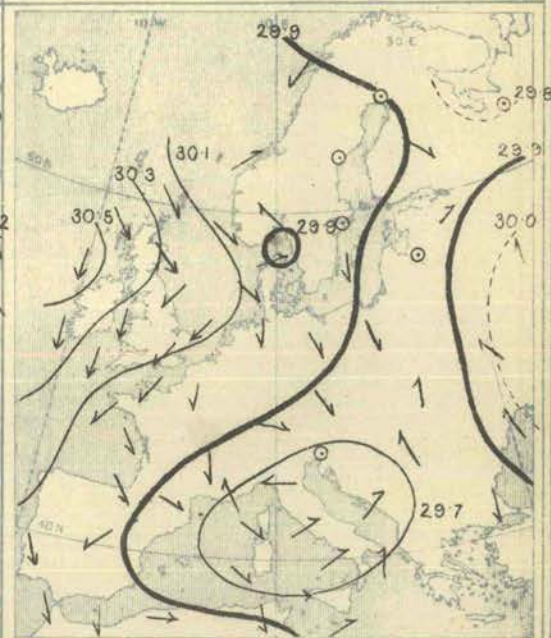


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine and bright (a) in the south of Russia, (b) in the west of Ireland, the north of Scotland, at Paris, Cracow, and Lisbon; cloudy or overcast elsewhere and unsettled generally, especially over Austria, Switzerland, and the north of Italy, where rain was prevalent; rain at La Calle and Bilbao, and several stations in the south and east of our Islands also, as well as at Hango, Helsingfors, and Bodö, fog in some places. A little rain later both at our extreme northern and southern stations, and in the north and west of France, a considerable fall over Austria, south Germany, and many parts of Italy.

Temperature changing very irregularly. Morning readings highest, 66° at Barcelona, 64° at Oran, 62° at Algiers, 61° at Palma, and exceeding 50° at nearly all the coast stations of southern and western Europe; exceeding 50° also over Russia and eastern Prussia, 57° at Memel, 55° at Riga. Lowest, 38° at Uleaborg, 40° to 43° over the extreme north of Russia and Lapland, 43° at Rano, 42° at Munich. Rising later to between 55° and 62° over the greater part of the United Kingdom, to 63° at Paris, 68° at Nice, and 70° or more at several of the Italian, Spanish, and North African stations.

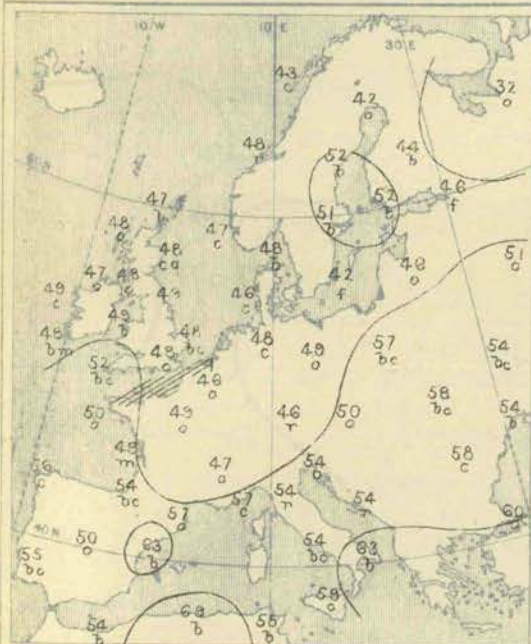
Wind varying greatly, mainly from between South-East and South, and light over Russia, mainly from between North-West and North-East, but variable and somewhat strong over our Islands and western Europe; slight cyclonic circulations prevailing over the north of Norway and the south-west of England, and a very decided one over the Mediterranean, the Riviera, and north of Italy. Blowing very strongly from North-West over Scotland later, and the Northerly current spreading over England generally; but moderating over the Mediterranean stations.

Barometer highest, (1) 30.3 ins. and more to 30.0 ins. over the British Islands and extreme west of Europe (still higher over the Atlantic); (2) 30.2 ins. and more to 30.0 ins. over central Russia. Lowest, 29.4 ins. and less in a well-marked depression having its centre between Corsica and the north-west coast of Italy; about 29.85 ins. in another (shallow one) off the north-west coast of Norway, and rather below 30.0 ins. in a third over Cornwall and Devon. Rising later throughout our Islands and over the Mediterranean, but giving way over Russia. The high-pressure area over the Atlantic spreading eastwards.

Tuesday, 1st May.

Temperature and Weather.

8 a.m.

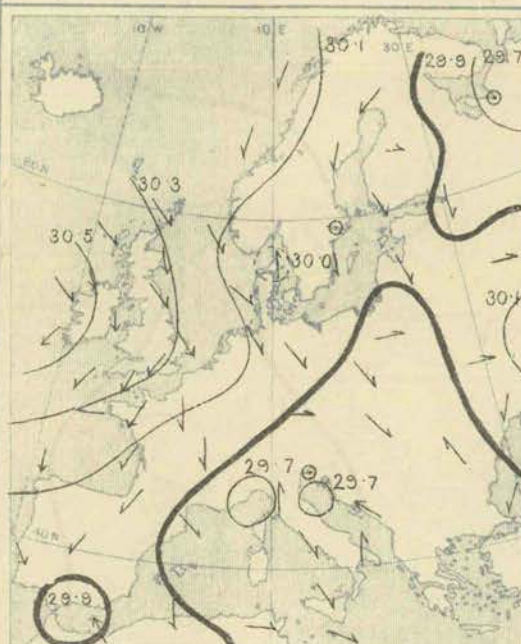


Weather in morning fine and bright (1) over the greater part of Ireland, England, and Brittany, also over the southern parts of Spain, Algeria, and Tunis; (2) over southern and western Russia; (3) over Finland and Sweden; cloudy or overcast elsewhere, foggy over central Europe, rainy at Munich and in several parts of Italy and the Adriatic. Some rain later over all the northern parts of our Islands, as well as over Germany and the east and south-east of France, but weather continuing fine over England.

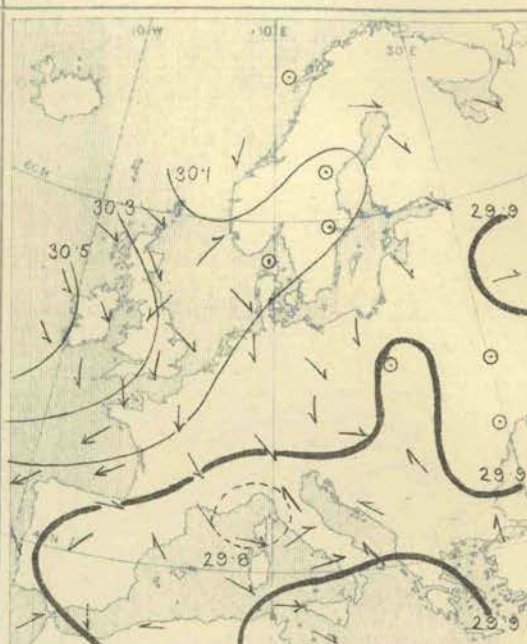
Temperature fallen over England, not changing much elsewhere. Morning readings highest, 60° or more at Oran, Algiers, Barcelona, and Brindisi; 50° and more over the greater part of western, southern, and central Europe, as well as at Stockholm and Helsingfors. Lowest, 32° at Archangel, 42° at Haparanda, 43° at Bodö, and 44° at Kuopio; 46° at Naim, 47° at York and Oxford. Rising later to only between 64° and 60° over the greater part of the United Kingdom, to 63° at some Swedish stations and at Lisbon, to 68° at Nice, and to upwards of 70° over Algeria and central Spain. Succeeding night cold over the south-east of England, Belgium, and the north-east of France.

Barometer and Wind.

8 a.m.



6 p.m.



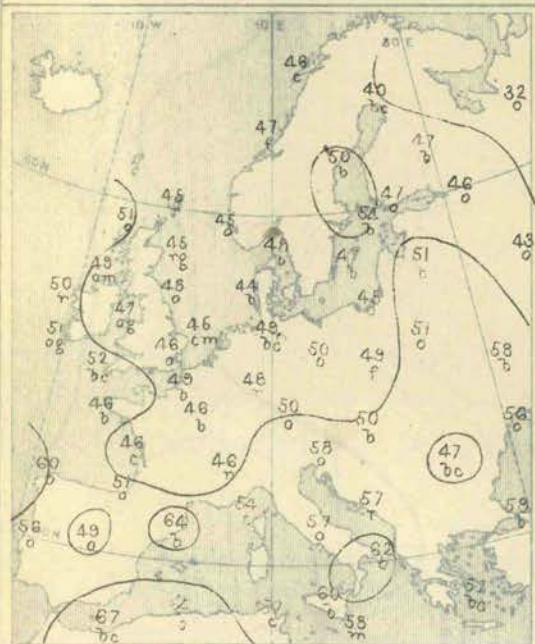
Wind moderate to strong from North-West over the northern parts of our Islands, and from North-East in the south; light from the Northward over Scandinavia, the Baltic, Denmark, France, and Spain, and from North-West over Germany; very light and variable over Russia, south-eastern Europe, and the Mediterranean. Very little change later, but wind inclined to "back" a little at our most northern stations.

Barometer highest, (1) 30.5 ins. and more to 30.2 ins. in the eastern portion of a large anticyclone spreading in from the Atlantic over the whole of the British Islands and their neighbourhood; (2) 30.1 ins. and more to 30.0 ins. in another system over the south of Russia. Lowest, 29.7 ins. and less to 29.8 ins. (1) over the north of Russia, (2) in a complex series of disturbances over the Mediterranean, Italy, and south-eastern Europe, 29.9 ins. and less over the Straits of Gibraltar and Morocco, and rather below 30.0 ins. in a shallow disturbance over Denmark. Falling over the British Islands later, rather decidedly in the north, rising somewhat over the Baltic and central Europe.

Wednesday, 2nd May.

Temperature and Weather.

8 a.m.

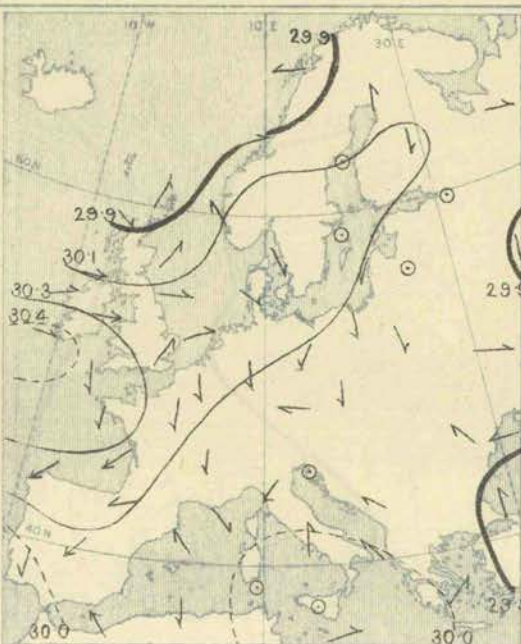


Weather in morning fine and bright over south-eastern Europe, the southern and western parts of the Mediterranean, and in many parts of France and the south-east of England, cloudy or overcast elsewhere, and not at all settled. Rain falling in Scotland, as well as over western Germany, the south of France, and some parts of the Adriatic. Rain later over the British Isles, Germany, and the east and south of France; a large quantity in the Riviera, the north of Italy, and central Spain. Amounts considerable at some of the Scotch stations, but small over England.

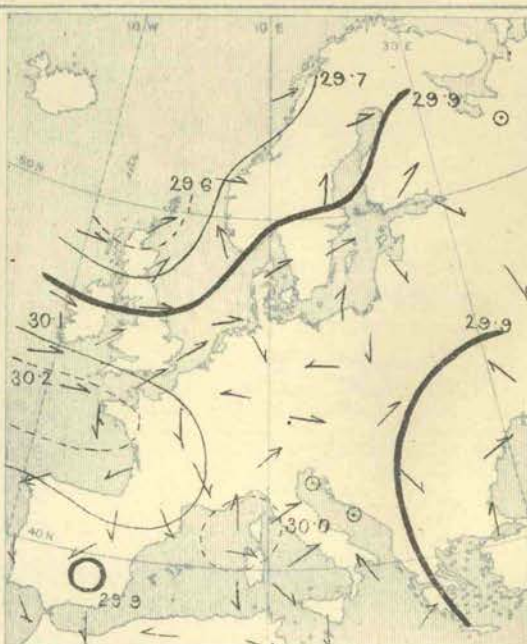
Temperature highest, 67° at Oran, 64° at Algiers, and above 60° at several other stations over the Mediterranean and north of Portugal, above 50° at many stations over western, southern, and central Europe, as well as at Stockholm and Helsingfors. Lowest, 32° at Archangel, 40° at Haparanda, 43° at Moscow. Falling to reach 60° in our Islands later, but touching 61° at Wisby, 64° at Berlin, and 67° at Perpignan, 70° and more in some parts of Italy.

Barometer and Wind.

8 a.m.



6 p.m.



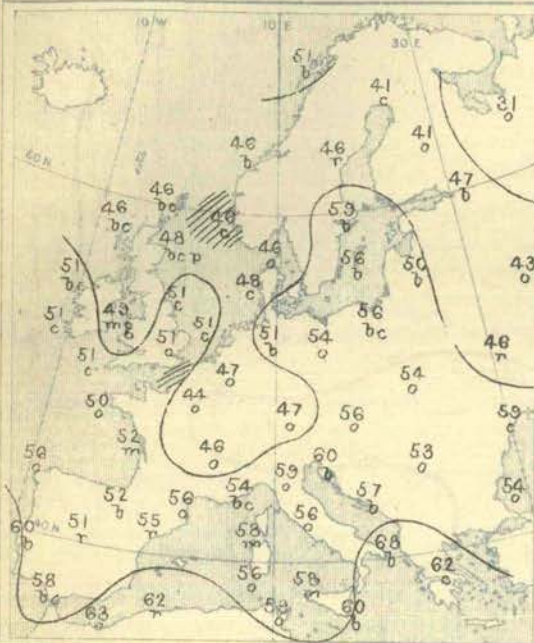
Wind (1) Westerly to South-Westerly over the greater part of the British Isles, Southerly at Skudesnaes and Haparanda, Easterly at Bodö; (2) nearly calm over the English Channel, the North Sea, Denmark, and the south of Sweden; (3) North-Easterly to Northerly, rather strong in the south of France, North-Easterly to Easterly over the Spanish Peninsula. Freshening from the Westward over the British Isles later, and blowing a gale from South-South-East at Skudesnaes.

Barometer highest, 30.4 ins. and more to 30.2 ins. in the eastern portion of an anticyclone stretching in from the Atlantic over the southern parts of Ireland and England, the Bay of Biscay, and the north of France, and 30.1 ins. in a "ridge" extending thence across the North Sea, Denmark, and the south of Sweden to Finland. Lowest, below 29.9 ins. in the north of Scotland and the north-west of Norway, as well as in the extreme south of France and over Asia Minor. Falling decidedly over the United Kingdom during the day, as a well-marked depression advanced to the north of Scotland from the westward, and spread southwards as a "hollow" over Great Britain and the North Sea.

Thursday, 3rd May.

Temperature and Weather.

8 a.m.

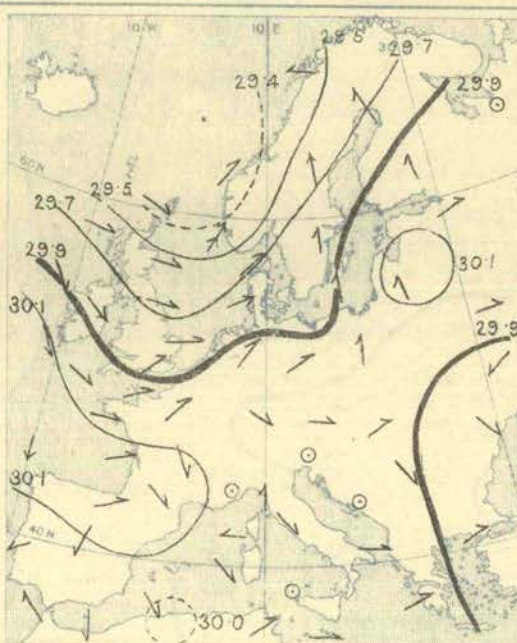


Weather changeable and showery over the greater part of the United Kingdom. Fine in the west of Norway, as well as over the Baltic, the Gulf of Finland, and the south of France; dull in most other parts of the Continent, with rain in the south of Norway, and also in isolated portions of Sweden, Russia, Spain, and Italy. Rain falling during day over the greater part of central Europe, and thunderstorm occurring at Gruenberg in Austria.

Temperature risen generally, but fallen considerably at some of the Russian stations. Morning readings highest, 68° at Brindisi, 64° at Oporto, 63° at Oran, and 62° at Patras and Algiers; above 55° over southern Europe generally, and above 50° in many parts of England and Ireland. Lowest, (1) 31° at Archangel, 39° at Uleaborg and Kuopio, and 43° at Moscow; (2) 42° at Limoges and 43° at Le Mans. Daily maxima below 60° in most parts of the United Kingdom, and below 50° in the north of Scotland. Thermometer exceeding 65° over southern Europe, and exceeding 70° over the Spanish Peninsula, the highest reading of all being 77° at Oporto.

Barometer and Wind.

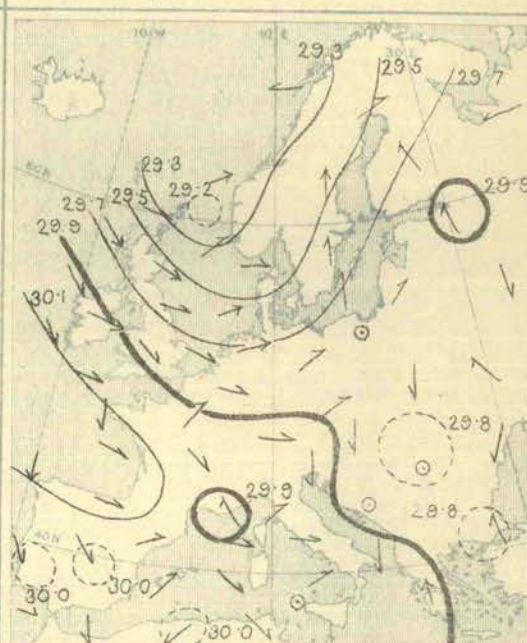
8 a.m.



Wind moderate to fresh from the Westward or North-Westward over the greater part of the United Kingdom, but South-Westerly in the south-east of England. Southerly or South-Westerly over Scandinavia, Denmark, and the Netherlands, and strong in force in many places, with a gale at Skudesnaes. Moderate from the Westward in south Germany and Austria, as well as in the west of France; variable in Italy; North-Easterly in Spain. Subsequently veering to the North-Westward over the whole of our Islands, and blowing very strongly on our north and north-west coasts.

Barometer highest, 30.1 ins. and upwards in an anticyclone extending from the Atlantic over the Bay of Biscay, the north of Spain, and the southern half of France, as well as in a smaller system over the Baltic Provinces. Lowest, 29.4 ins. and less in a large depression off the west of Norway; 29.8 ins. and less in a shallow disturbance over the south of Russia. Northern depression subsequently spreading south-eastwards; smaller disturbances forming over Austria and various parts of southern Europe.

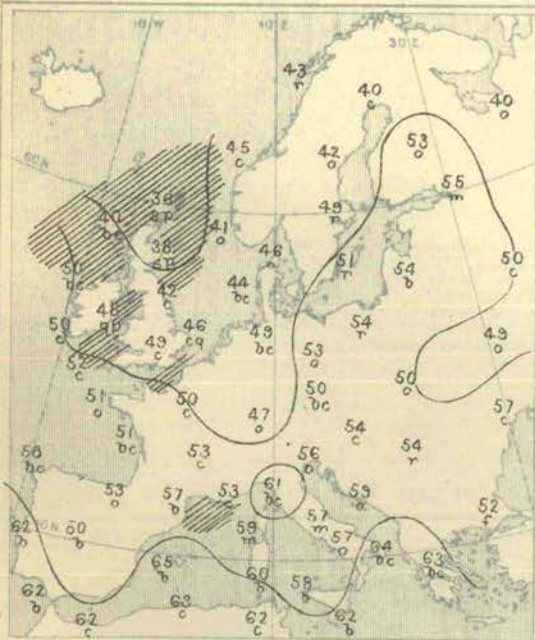
6 p.m.



Friday, 4th May.

Temperature and Weather.

8 a.m.

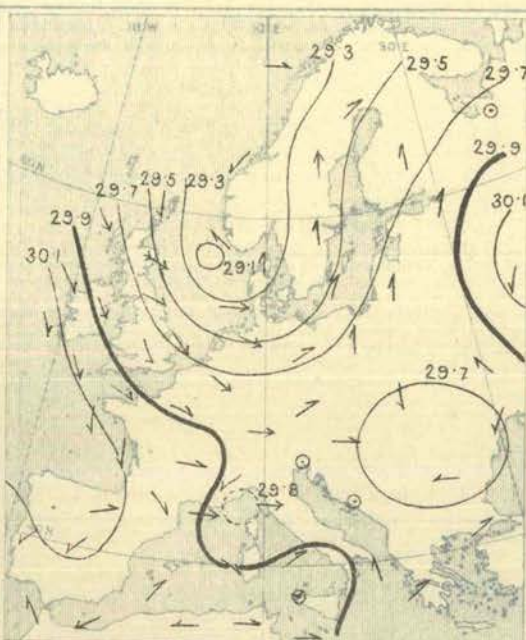


Weather in morning fine and bright over south-western Europe and at several stations in the west and south of France, England, and Ireland; cloudy or overcast and unsettled elsewhere, very unsettled over Scotland and the North Sea and Baltic, with rain in the last-named region, sleet and hail in Scotland. Hail, sleet, and snow in the north-east of Scotland later, hail at Yarmouth, and slight rain in the north of Ireland. Thunderstorms occurring at Memel and Königsberg.

Temperature again exceeding 60° at many of the most southern stations (68° at Oporto), and exceeding 50° at most of the western, central, and eastern stations and over Finland. Below 50° in the north of the British Isles and over Scandinavia, and, lowest of all, 36° at Sumburgh Head, 37° to 38° in the north-east of Scotland. Rising later to between 65° and 69° in the south of France, to 60° at Hurst Castle and Prawle Point, and to 57° at Parsons-town, but failing to reach 50° at many of our own northern stations, as well as in Norway and Sweden. Exceeding 70° in Spain and the south of Italy, and reaching 75° at Lisbon and Palermo.

Barometer and Wind.

8 a.m.



Wind (1) Northerly to North-Westerly over the United Kingdom and north of France, fresh in the west and south, strong in the north and east, and blowing a gale at Aberdeen; (2) Westerly over the Netherlands and Holstein, Southerly over the Baltic, Sweden, and the Gulf of Bothnia; (3) very variable over eastern, south-eastern, and southern Europe, but North-Easterly to Easterly over Spain and Portugal. A stiff North-Westerly gale experienced over the North Sea later, and blowing strongly at Aberdeen. A moderate gale on some of our north-western coasts.

Barometer highest, 30.1 ins. and more (1) over the north of Spain and the Bay of Biscay, with the extreme south-west of our Islands, (2) over central Russia. Lowest, about 29.1 ins. in a well-marked depression lying over the south-west of Norway; below 29.7 ins. over Hungary and the south-west of Russia; and below 29.8 ins. over the Riviera and north-west of Corsica. Rising over our Islands all day, falling over the Baltic as the northern depression moved eastwards.

Saturday, 5th May.

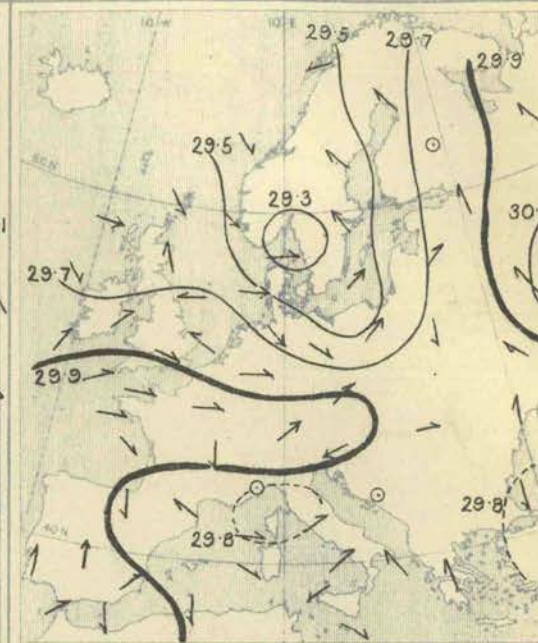
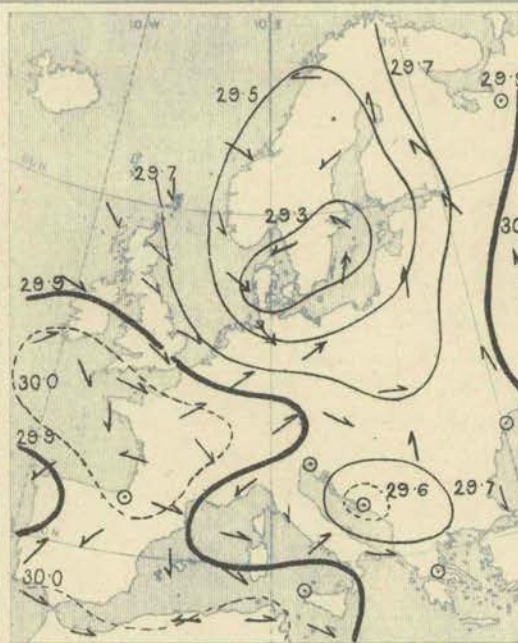
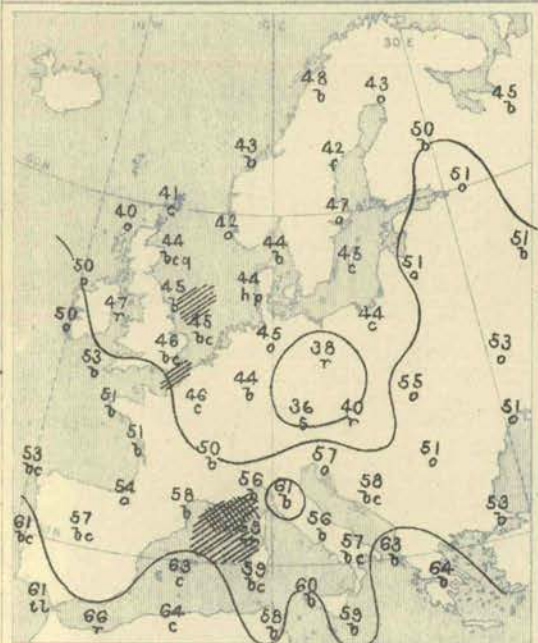
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine in England and Scotland, but dull in Ireland and Wales, with rain at Malin Head and Holyhead. Fine in France, Spain, Italy, and western Germany, but dull in most of the other European countries, with rain at several of the German and Austrian stations, and with snow at Munich. Thunderstorm reported at San Fernando. Rain falling during day in all the more northern parts of our Islands and the Continent, but amounts mostly small.

Temperature fallen over the northern and central countries, but risen in most other regions. Morning readings highest, 66° at Nemours, and 64° at Athens, Oran, and Algiers; above 60° at several of the Mediterranean stations, and above 55° over southern Europe generally. Lowest, (1) 36° at Munich, 38° at Berlin, and 39° at Breslau; (2) 40° at Stornoway, 41° at Sunburgh Head, and 42° at Hørnøssand, Skudesnaes, Faerder, and Wick. Daily maxima below 55° in many parts of our Islands, and below 50° in the north of Scotland, but thermometer reaching 60° at some of our southern stations. Rising to between 65° and 70° in most of the southern countries, and reaching 73° at Gap, Perpignan, and Cette.

Wind light to moderate from the Westward or North-Westward over the greater part of our Islands, but South-Westerly in the north of Ireland. Strong from the North-Westward over Denmark, north Germany, and the Netherlands, with a gale at Cuxhaven; South-Westerly over eastern Germany and the Baltic; Southerly or South-Easterly in Russia. Light and variable over France, Spain, and Italy. Subsequently backing to the South-Westward in many parts of the United Kingdom; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in an anticyclone over central Russia; 30.0 ins. and upwards in two other systems lying respectively over France, the Bay of Biscay, and the south-west of our Islands and over Algeria and the extreme south of Spain. Lowest, 29.3 ins. and less in a depression over Denmark and the south of Sweden; 29.6 ins. and less in a small disturbance lying over Dalmatia. Former depression subsequently becoming deeper, but latter filling up. Shallow disturbances advancing over the northern parts of our Islands from the westward.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the earlier part of this week two high-pressure areas were shown by the observations taken over our Islands and continental Europe, one of them stretching in from the Atlantic over the western countries, the other lying over Russia. These were separated by a band of low readings, while the only well-marked depressions which were observed lay over the extreme northern countries on the one hand, and the Mediterranean and southern Europe on the other. These regions and central Europe were the regions of disturbed rainy weather, while in the east and west the air was dry, and in most cases the sky was bright.

Gradually, however, the Russian anticyclone gave way, and the Atlantic system moved southwards, so that the Westerly (North-West to South-West) breezes began to spread over the north-western countries, and showers fell more generally there than they had done previously, but were not heavy. At the close of the week the Atlantic anticyclone was dispersing and conditions over western Europe were becoming favourable for winds from a more Southerly quarter.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 104.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	40.2	?	33	?	EASTBOURNE	42.1	?	41	?
OSWALDKIRK (Yorkshire)	?	?	?	?	MANCHESTER (Oldham Road)	19.8*	?	19*	?
WORKSOP	30.2	- 5.3	29	- 5	TENBY	33.7*	?	33*	?
THURCASTON (Leicestershire)	29.8	- 3.2	29	- 4	NEWQUAY	40.0	?	39	?
MARGATE	31.2	?	30	?	TORQUAY	41.1*	?	40*	?
WESTBOURNE (Sussex)	36.8*	?	36*	?	ARLEY COTTAGE (County Cavan)	31.5	?	30	?
BRIGHTON	44.2	?	43	?	GUERNSEY	47.9*	?	47*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 19.]
Third Series.

WEEK ENDING SATURDAY, 12TH MAY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 110.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	34	52.7	39.9	45.9	0 (average)	Day-deg. 36	Day-deg. - 2	Day-deg. 6	Day-deg. - 2	Day-deg. 320	Day-deg. +146	Day-deg. 460	Day-deg. - 70
	1. SCOTLAND, EAST	62	35	55.1	40.9	47.6	1 above.	44	- 5	3	- 3	427*	+ 87	547*	- 16
	2. ENGLAND, N.E.	64	32	56.4	42.6	49.1	2 above.	50	+ 3	0	- 4	465	+133	433	- 65
	3. ENGLAND, EAST.	62	37	57.9	42.9	50.0	0 (average)	56	- 5	0	- 5	596	+173	459	-103
	4. MIDLAND COUNTIES.	62	34	57.2	42.6	49.5	0 (average)	53	- 9	0	- 5	624	+171	457	- 97
	5. ENGLAND, SOUTH	63	38	57.5	44.8	50.8	0 (average)	63	- 6	0	- 2	657	+168	300	-121
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	56	35	53.2	42.7	47.6	1 below.	39	-13	0	- 4	462	+105	322	- 87
	7. ENGLAND, N.W.	59	40	54.7	44.8	49.4	0 (average)	52	- 4	0	- 3	566	+197	288	-131
	8. ENGLAND, S.W.	62	38	55.4	45.1	50.9	0 (average)	56	- 4	0	- 1	666	+185	229	- 87
	9. IRELAND, NORTH	58	35	54.2	41.6	47.5	2 below.	40	-15	1	- 2	549	+100	319	- 44
	10. IRELAND, SOUTH	60	35	55.7	43.9	49.5	1 below.	53	- 7	0	- 2	703	+149	203	- 74
	-CHANNEL ISLANDS	60	45	56.5	48.1	52.1	0 (average)	71	+ 5	0	0	819	+238	94	- 18

DISTRICTS. (See p. 110.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in. 9	10ths of ins. 3 more.	89	- 1	23.5	+ 5.8	33	+ 8	30	+ 7	394	+ 47	32	+ 6
	1. SCOTLAND EAST	5	4	1 less.	79	+ 7	13.3*	+ 2.9	36	- 1	32	- 1	483*	+ 80	36	+ 6
	2. ENGLAND, N.E.	6	4	0 (average)	75	+ 7	7.1	- 1.1	39	+ 3	36	+ 2	507*	+131	35	+ 10
	3. ENGLAND, EAST.	5	8	3 more.	70	+ 3	7.3	- 0.7	30	-15	28	- 15	548	+ 82	37	+ 7
	4. MIDLAND COUNTIES.	4	7	2 more.	74	+10	8.4	- 0.7	36	- 3	34	- 3	511	+166	34	+ 8
	5. ENGLAND, SOUTH	4	5	1 more.	69	+ 5	8.9	- 0.4	35	-12	33	- 12	587	+ 98	37	+ 9
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	10	4 more.	91	+14	22.2	+ 4.2	44	+ 1	41	+ 1	470	+ 48	32	+ 6
	7. ENGLAND, N.W.	5	8	3 more.	81	+10	12.6	+ 1.9	36	- 5	33	- 4	449	+ 78	33	+ 8
	8. ENGLAND, S.W.	5	10	4 more.	79	+ 7	14.0	0.0	39	- 6	37	- 6	609	+ 91	39	+ 8
	9. IRELAND, NORTH	7	8	3 more.	95	+14	16.3	+ 4.5	44	+ 2	41	+ 1	444	+ 34	31	+ 4
	10. IRELAND, SOUTH	6	8	2 more.	91	+16	16.4	+ 2.3	44	- 1	41	- 2	496	+ 7	33	+ 2
	-CHANNEL ISLANDS	4	6	2 more.	80	+ 2	11.5	- 0.2	42	-10	40	- 11	643	+ 69	44	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued in a changeable condition over the western and northern parts of the Kingdom, with frequent and somewhat considerable falls of rain, but occasional fine, bright intervals. The rain then extended to the eastern and south-eastern districts, while in the west and north the sky cleared.

Temperature again differed very little from the mean value for the time of year. The thermometer was highest, as a rule, during the earlier days of the period, when the maxima ranged from 64° in England N.E., and 63° in England S., to 56° in Scotland W. The lowest of the minima were recorded on very irregular dates, and ranged from 32° in England N.E., to 40° in England N.W., and to 45° in the Channel Islands.

Rainfall was rather less than the mean in Scotland E., and just equalled it in England

N.E. In all other districts there was an excess, but in no case was the difference from the normal very large.

Bright Sunshine was again less than the mean very generally. The percentage of the possible duration ranged from 41 in Ireland and the west of Scotland, to 33 in Scotland N., and to 28 in England E.

Barometer and Wind.—During the greater part of the week depressions of no great depth passed north-eastwards over our western and north-western districts, bringing South-Westerly to Westerly winds to all our coasts. Towards the end of the period a small out well-marked disturbance moved eastwards over our southern districts, and, in its rear, the wind shifted to the North-Westward and Northward in all parts of the Kingdom.

II.—DATA from which the SUMMARY on page 109 has been calculated.

DISTRICTS	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	54	38	51.6	41.0	46.0	+ 2.0	32	3	5	0.29	-0.11	*	*	*
	Stornoway	57	34	52.7	37.0	44.4	- 1.6	38	14	7	0.87	+ 0.29	50.2	+ 8.0	45
	Wick	57	39	52.3	42.0	46.8	+ 1.1	34	0	6	0.31	-0.09	*	*	*
	Lairg	56	36	53.3	37.6	45.0	- 1.5	39	12	6	0.08	-0.42	*	*	*
	Glencarron	56	37	52.0	39.8	45.5	- 0.4	34	6	6	2.34	+1.34	*	*	*
	Fort Augustus	58	39	54.6	39.8	46.8	+ 0.4	43	6	6	0.44	-0.04	24.7	?	22
1. SCOTLAND, E.	Fort William	54	40	52.3	42.4	47.1	- 0.0	36	0	6	2.08	+1.29	24.4	?	22
	Nairn	59	38	57.0	40.4	48.2	+ 0.5	50	4	5	0.16	-0.17	*	*	*
	Aberdeen	58	36	54.1	41.7	47.5	+ 0.6	40	1	6	0.39	-0.08	40.4	- 0.8	36
	Braemar	54	35	50.8	36.8	43.4	- 1.0	32	15	7	0.47	-0.05	32.5†	††	29†
	Ochertyre	61	36	55.7	38.9	46.8	+ 0.3	47	9	5	0.88	+0.33	*	*	*
	Leith	62	40	58.1	42.4	49.8	+ 1.4	55	0	4	0.36	-0.04	*	*	*
2. ENGLAND, N.E.	Marchmont	59	40	54.9	45.1	49.7	+ 3.7	54	0	3	0.26	-0.27	28.5	?	25
	Alnwick Castle	58	32	54.4	42.0	47.8	+ 1.9	41	0	7	0.38	-0.14	*	*	*
	Durham	60	37	57.0	41.1	48.6	+ 1.7	50	3	5	0.26	-0.20	40.5	+ 3.5	37
	Shields	59	37	56.0	41.7	48.4	+ 1.4	46	1	5	0.31	-0.09	*	*	*
	Scarborough	64	39	58.1	42.7	49.9	+ 1.9	55	0	6	0.53	+0.11	*	*	*
	York	60	39	57.7	44.1	50.5	+ 1.4	60	0	6	0.63	+0.19	42.5	+ 1.6	39
3. ENGLAND, E.	Spurn Head	56	41	54.9	44.0	49.1	+ 1.1	50	0	6	0.53	+0.19	*	*	*
	Hillington	60	38	57.8	41.4	49.1	- 0.3	52	2	5	0.76	+0.34	26.4	-19.1	25
	Yarmouth	59	42	56.6	45.3	50.6	+ 1.1	60	0	6	1.09	+0.67	*	*	*
	Geldeston	62	41	58.9	43.6	50.8	+ 1.6	62	0	5	0.79	+0.39	35.9	-14.0	34
	Cambridge	62	37	59.4	42.3	50.3	- 0.1	58	0	5	0.63	+0.21	29.3	-13.7	28
	Rothamsted	60	38	56.7	42.3	49.1	- 0.1	50	0	4	0.64	+0.12	26.6	?	25
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	62	38	58.6	42.7	50.2	+ 0.7	57	0	5	0.51	+0.08	*	*	*
	Loughborough	62	38	59.1	43.9	51.0	+ 0.7	63	0	4	0.52	+0.04	*	*	*
	Stamford (Ketton Hall)	61	37	58.9	41.9	49.9	- 0.7	56	0	4	0.44	-0.11	*	*	*
	Cheadle	57	38	54.8	41.7	47.9	0.0	43	1	5	0.64	+0.11	*	*	*
	Churchstoke	57	39	55.3	42.7	48.6	+ 1.0	46	0	5	1.41	+0.95	35.9	- 4.1	34
	Hereford	60	39	57.3	42.8	49.6	- 0.2	53	0	6	0.69	+0.22	*	*	*
5. ENGLAND, S.	Cirencester	58	34	56.0	40.7	47.9	- 1.0	47	4	3	0.84	+0.35	35.8	- 6.7	34
	Oxford	60	40	57.4	44.6	50.6	+ 0.4	60	0	3	0.77	+0.32	35.1	- 6.6	33
	London	63	40	60.0	44.1	51.6	- 0.1	67	0	3	0.61	+0.19	27.1†	-11.9†	23†
	North Foreland	61	43	55.3	45.3	51.4	+ 1.7	66	0	3	0.33	?	*	*	*
	Strathfield Turgiss	62	38	58.0	42.5	49.8	- 0.6	55	0	3	0.51	+0.09	*	*	*
	Dungeness	58	46	56.4	47.6	51.7	+ 1.2	68	0	4	0.31	-0.09	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	58	42	56.3	43.2	49.4	- 1.5	52	0	3	0.57	+0.17	40.0	-10.1	38
	Southampton	63	40	59.0	44.2	51.2	- 0.2	64	0	3	0.46	-0.02	30.3	-15.4	29
	Hurst Castle	61	48	56.0	48.9	52.2	+ 1.6	71	0	4	0.46	+0.06	*	*	*
	Stowell	60	38	56.1	42.5	48.9	- 0.5	48	0	6	0.76	?	*	*	*
	Landale (Loch Sunart)	58	41	52.7	42.9	47.5	- 1.1	39	0	7	2.24	+1.36	*	*	*
	Glasgow	56	39	53.2	42.5	47.5	- 0.8	39	0	5	0.79	+0.26	33.1	- 2.8	30
7. ENGLAND, N.W.	Ardrossan	56	42	52.1	44.1	47.9	- 1.4	41	0	5	0.69	+0.17	*	*	*
	Glenlee	56	35	53.2	41.0	46.7	- 0.6	37	3	6	0.85	+0.18	*	*	*
	Douglas (Isle of Man)	56	41	54.7	42.3	48.4	- 0.3	45	0	3	0.27	-0.23	54.7	+ 4.9	51
	Stonyhurst	54	41	52.7	43.1	47.6	- 1.5	39	0	7	1.46	+0.88	39.0	- 2.5	36
	Blackpool	58	41	55.4	45.8	50.4	+ 1.0	59	0	4	0.65	+0.23	39.7	- 4.3	37
	Manchester (Prestwich)	56	41	53.7	43.2	48.1	- 0.6	43	0	8	1.25	+0.74	30.4	††	23
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	57	40	55.4	45.0	49.9	0.0	55	0	6	0.54	+0.14	*	*	*
	Llandudno	57	44	55.2	46.0	50.3	+ 0.1	58	0	5	0.45	+0.03	38.5	- 5.5	34
	Holyhead	59	45	55.9	45.4	50.3	+ 0.4	58	0	4	0.17	-0.26	*	*	*
	Llandovery	60	40	57.0	43.9	50.1	+ 0.9	57	0	6	1.09	+0.46	*	*	*
	Pembroke	53	44	52.4	46.1	49.1	- 0.1	50	0	4	1.04	+0.59	49.3	+ 1.0	47
	Bristol (Montpelier)	62	43	58.0	46.5	51.9	+ 1.6	69	0	5	0.65	?	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	55	41	53.7	44.0	48.6	0.0	46	0	6	1.22	+0.55	*	*	*
	Cullompton	60	38	56.6	44.2	50.0	+ 0.1	56	0	4	0.91	+0.40	35.4	- 5.6	34
	Falmouth	56	44	55.0	46.1	50.3	- 0.4	58	0	5	1.24	+0.59	39.7	- 7.4	38
	Plymouth	57	45	55.2	46.2	50.4	- 1.6	59	0	5	1.07	+0.59	30.3	-14.3	29
	Prawle Point	59	42	55.3	44.1	49.4	- 0.3	52	0	5	0.63	+0.23	*	*	*
	Malin Head	54	40	52.1	43.3	47.4	- 2.3	38	0	7	0.78	?	*	*	*
10. IRELAND, S.	Londonderry	57	39	55.4	41.1	47.8	- 2.2	44	3	6	1.09	+0.58	*	*	*
	Edenfel (Omagh)	54	35	52.7	38.4	45.1	- 3.2	37	10	5	1.02	+0.53	*	*	*
	Belmullet	53	43	52.3	44.7	48.3	- 2.7	44	0	7	1.41	?	*	*	*
	Markree Castle	56	36	54.4	39.6	46.6	- 1.9	42	7	7	0.82	+0.34	41.5	0.0	38
	Brookeborough	56	36	54.3	40.5	47.0	- 1.2	41	4	6	0.78	+0.22	*	*	*
	Armagh	56	38	54.9	40.8	47.4	- 1.4	43	3	7	0.41	-0.07	44.1	+ 3.6	41
CHANNEL ISLANDS	Donaghadee	58	44	55.7	46.1	50.6	+ 1.9	60	0	7	0.49	-0.02	*	*	*
	Edgeworthstown	57	35	56.2	40.0	47.6	- 0.9	48	6	7	0.68	+0.05	*	*	*
	Dublin	59	40	57.2	44.2	50.3	- 0.2	58	0	6	0.34	-0.12	49.1	+ 2.5	46
	Parsonstown	57	38	55.1	41.6	48.0	- 1.4	44	1	6	0.50	+0.31	36.8	- 5.4	34
	Kilkenny	58	38	55.9	42.1	48.6	- 1.3	46	0	6	0.89	+0.44	*	*	*
	Waterford	60	37	57.7	42.1	49.4	- 1.3	52	0	6	0.73	+0.16	*	*	*
CHANNEL ISLANDS	Roche's Point	59	42	56.4	45.4	50.6	- 0.6	60	0	3	0.05	-0.67	*	*	*
	Valencia	55	44	54.0	47.1	50.3	- 0.6	58	0	7	1.16	+0.38	46.5	0.0	44
	Killarney	57	35	55.2	42.9	48.7	- 1.6	47	0	6	1.26	?	*	*	*
	Foynes	55	42	54.0	46.0	49.3	- 0.6	55	0	7	0.91	?	*	*	*
	Scilly (St. Mary's)	56	46	55.3	47.6	51.2	0.0	64	0	4	0.82	+0.39	42.1	?	40
	Jersey	60	45	57.7	48.6	52.9	+ 0.8	76	0	3	0.41	-0.03	42.6	-10.2	41

Stations marked *ff* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Thursday, 10th May.

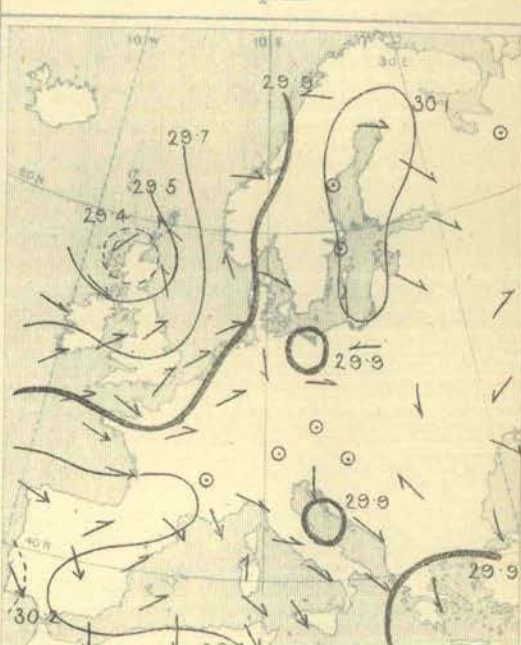
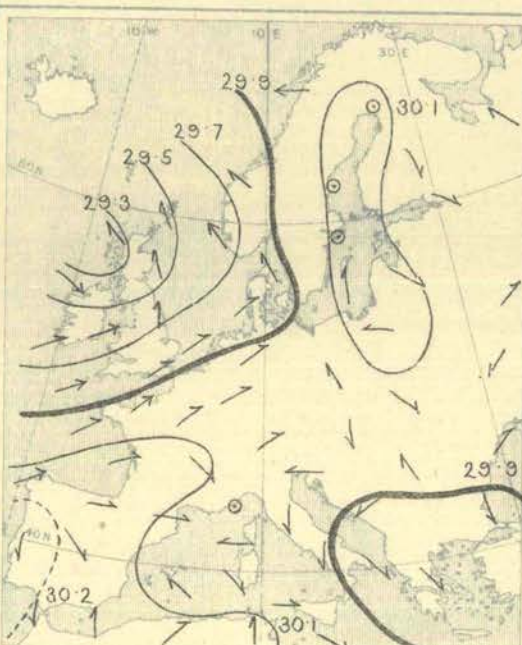
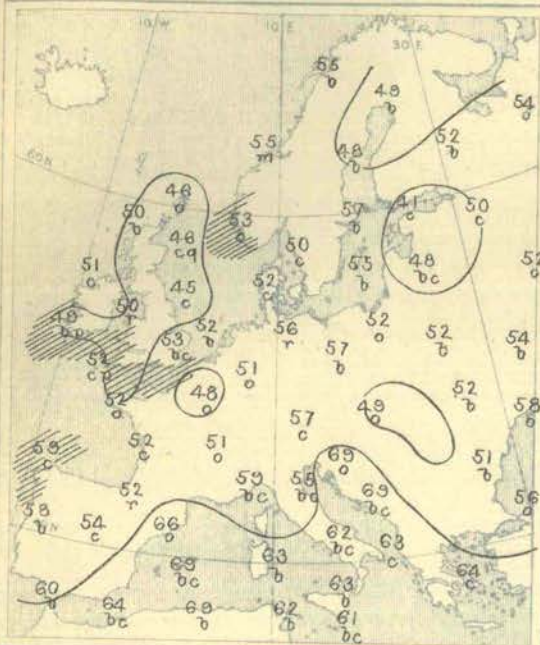
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather changeable and showery over the greater part of western Europe, but fine in the east of England and also in the north of Scotland. Fine in most of the northern, eastern, and central countries, as well as in Italy, Algeria, and the southern parts of the Spanish Peninsula. Heavy showers falling during day in most parts of England and France, with hail over our eastern and south-eastern counties; thunderstorms occurring at Spurn Head and Lyons, as well as in some parts of Germany.

Temperature fallen in France and the eastern parts of Great Britain, but risen in most other localities. Morning readings highest, 60° at Trieste, Lésina, Palma, and Algiers, and 66° at Barcelona and Leghorn; above 60° at most of the Mediterranean and Adriatic stations. Lowest, (1) 45° at Shields, and 46° at Sumburgh Head and Aberdeen; (2) 47° at Uleaborg and Memel, and 48° at Hernösand and Riga. Daily maxima below 60° in all parts of the United Kingdom, and below 55° at several of our western and extreme northern stations. Thermometer exceeding 65° over Germany and the southern parts of France, and reaching 75° at some of the Spanish and Italian stations.

Wind fresh to strong from the Westward or South-Westward in the west and south of our Islands, and moderate from the same quarters over Denmark, the Netherlands, and the greater part of France. Moderate from the Southward in the east of England, and from the South-Eastward in the north of Scotland, as well as in Norway, Denmark, and eastern Germany. Calm in Sweden, North-Westerly in Ireland; variable over Austria and the south of Russia. Light from the Northward or North-Westward in Spain and Italy. Wind moderating later on our southern coasts; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying over Portugal, 30.1 ins. and upwards in a narrow area stretching southwards from the Gulf of Bothnia to eastern Germany. Lowest, 29.3 ins. and less in a well-marked depression lying off the west of Scotland; 29.9 ins. and less in a large shallow system covering Turkey, Greece, and the countries lying to the southward of the Danube. Scotch depression subsequently travelling north-eastwards, but shallow secondary systems passing across the more southern parts of our Islands.

Friday, 11th May.

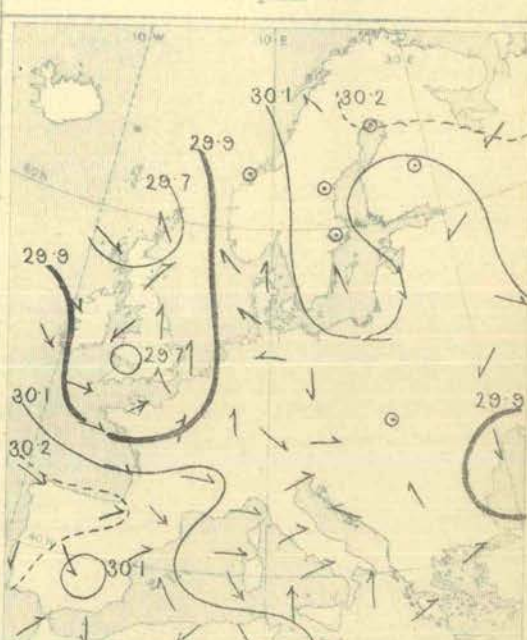
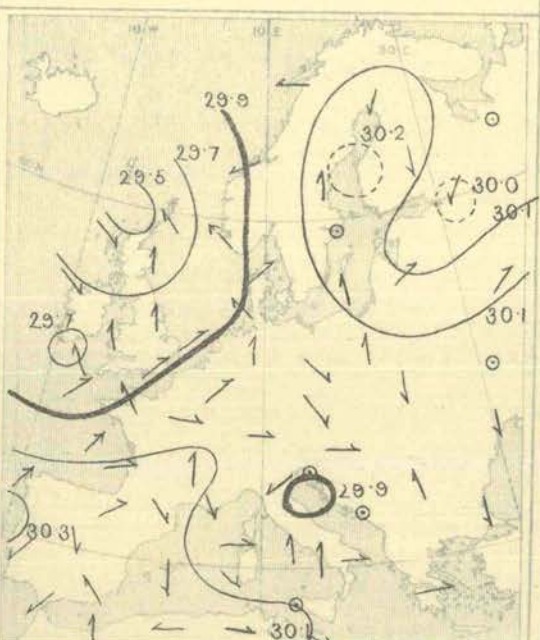
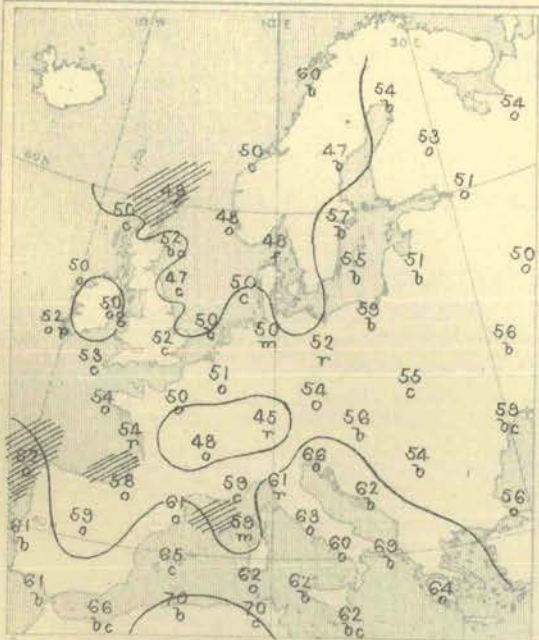
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather fine in the north and east of our Islands, dull in the west, with rain or passing showers in many places; rainy in the west of France, at some of the Danish and German stations, and at Turin, dull in many other parts of the Continent, but fine and bright over Sweden and the Baltic, as well as in western Germany, Austria, and the southern parts of Spain and Italy. Rain falling later in nearly all parts of the United Kingdom, as well as at several of the French, German, and Italian stations, very heavy fall in the south of Russia, but weather improving in Ireland.

Temperature changed irregularly. Morning readings highest, 70° at Algiers and La Calle, 60° at Brindisi, and 66° at Trieste, Barcelona, and Oran; above 60° in many parts of southern Europe and just reaching that point at Bodö. Lowest, (1) 45° at Munich and 48° at Lyons; (2) 47° at Hernösand, Færder, and Shields, and 48° at Skudesnaes and Sumburgh Head. Daily maxima below 55° in several of our western districts, and below 60° at all our own stations excepting Cambridge. Exceeding 60° in Belgium and Germany, and 65° in the south of France, reaching 73° at Perpignan, 77° to 80° in the south of Italy and over Algeria.

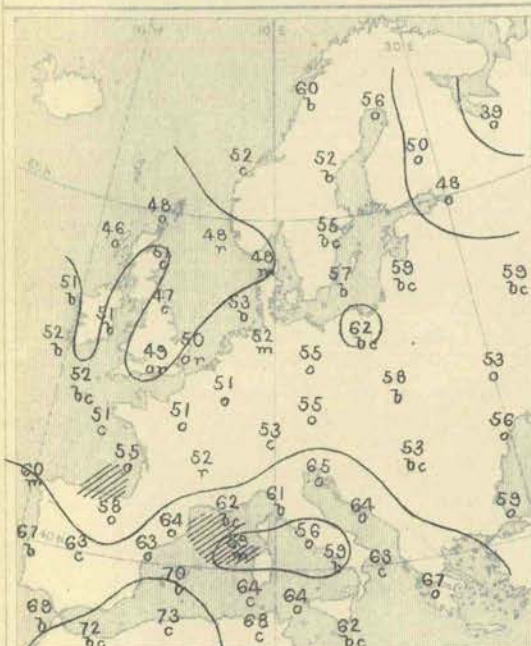
Wind light to moderate from the Southward or South-Westward over the greater part of our Islands, France, and the Netherlands, but North-Westerly in the south of France. South-Easterly or Easterly in Scandinavia and Denmark; variable in Sweden, Northerly in Finland, and North-Easterly in the south of Sweden. Variable in Austria and Italy; North-Easterly over the southern parts of Spain. Subsequently veering to the North-Westward in Ireland, and blowing strongly in the south; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards over the western parts of the Spanish Peninsula, and also over the Gulf of Bothnia. Lowest, 29.5 ins. and less in a depression lying off the north of Scotland, 29.7 ins. and less in a shallow secondary disturbance over the south of Ireland. Latter system advancing eastwards later over the south of England; barometer rising briskly on our south-western coasts, falling in the east.

Saturday, 12th May.

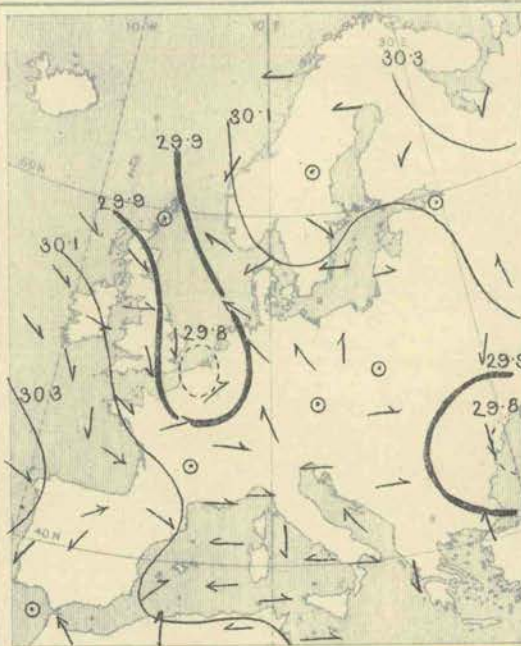
Temperature and Weather.

8 a.m.

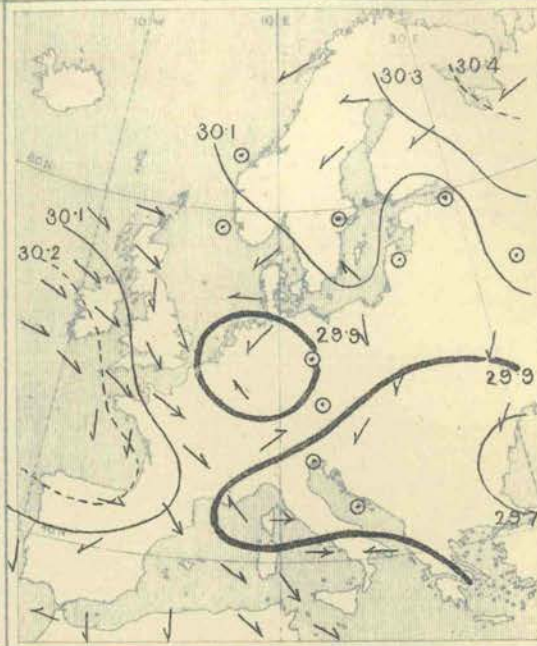


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning still rainy over the south-east of England and the Netherlands, as well as over several parts of France and western Germany; dull and rainy in the south of Russia also, but fair, as a whole, elsewhere, very fine in the western parts of our Islands. Rain falling later over the northern and western parts of the United Kingdom, also over Germany, France, and the south-east of England. Thunderstorms over Austria and the south of Russia, the fine weather in the west spreading eastwards later.

Temperature fallen rather decidedly over England. Morning readings highest, 73° at Algiers, 72° at Oran, 70° at Palma, and above 60° on the coasts of southern Europe generally; 63° at Jersey and Prawle Point, 52° at Valencia; 60° at Bodø, 58° at Haparanda, 57° at Wisby. Lowest, 39° at Archangel, 46° at Stornoway, 47° at Nairn, Shields, and Loughborough. Rising later to 82° at Lisbon, to 75° and more over Algeria and Spain, to 74° at Perpignan, 73° at Fanø and Haparanda, but exceeding 60° at only a few of the stations in our Islands. Very cold over the south-eastern parts of England at night.

Wind Northerly to North-Westerly over the British Isles and the north and west of France, Northerly to North-Easterly over Spain; South-Easterly over the Netherlands, Holstein, and Denmark, very variable and light elsewhere. Backing to the Westward at the Irish stations later, little change elsewhere.

Barometer highest, 30.3 ins. and more to 30.1 ins. in two anticyclonic systems, one over northern Europe, the other over the extreme western and south-western countries and the neighbouring parts of the Atlantic. Lowest, 29.8 ins. and less in a depression lying over the Crimea and neighbouring regions, and in another over Belgium, the Netherlands, and the east of England. Latter disturbance moving eastwards later; barometer rising over Great Britain, but ceasing to rise in Ireland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the week two anticyclonic systems were observed over Europe, one over central or northern Russia, and the other over the Spanish Peninsula. In the eastern and south-western parts of the Continent the weather was, therefore, mostly fine and dry, but, in the north-western and central countries, the conditions were affected by some large depressions which travelled north-eastwards along our own north-western and northern coasts, and to a still larger extent by small secondary systems which appeared to the southward of the main disturbances, and which moved in an easterly direction directly over our Islands. The weather in these regions was, therefore, very changeable, with frequent showers in most districts, and with thunderstorms in many parts of England, France, and Germany. Towards the close of the week the series of depressions in the north came to an end, and a large anticyclone spread over western Europe from the Atlantic, so that a temporary improvement in the weather took place over the United Kingdom and the neighbouring countries. Over southern and south-eastern Europe the occasional formation of shallow barometrical depressions was attended by heavy falls of rain, and, on the 12th, thunderstorms occurred in Austria and the south of Russia.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 110.

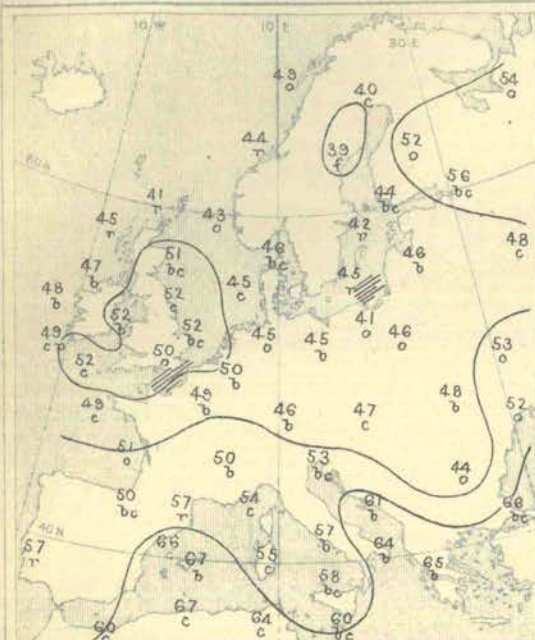
STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	43.2	?	39	?	EASTBOURNE	37.6	?	36	?
OSWALDKIRK (Yorkshire)	34.6	?	32	?	MANCHESTER (Oldham Road) . . .	32.5*	?	30*	?
WORKSOP	34.4	- 3.8	32	- 3	TENBY	30.8*	?	38*	?
THURCASTON (Leicestershire) . .	37.7	+ 1.4	25	0	NEWQUAY	43.0	?	41	?
MARGATE	44.5	?	42	?	TORQUAY	34.2*	?	33*	?
WESTBOURNE (Sussex)	29.6*	?	28*	?	ARLEY COTTAGE (County Cavan) . .	46.7	?	43	?
BRIGHTON	35.6	?	34	?	GUERNSEY	40.2*	?	39*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

Sunday, 6th May.

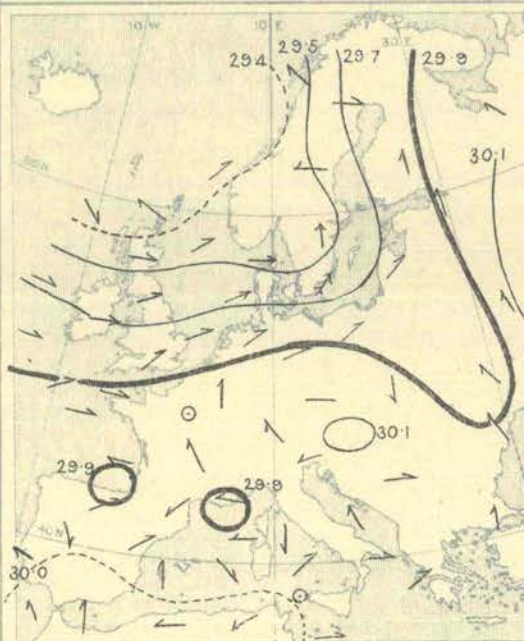
Temperature and Weather.

8 a.m.

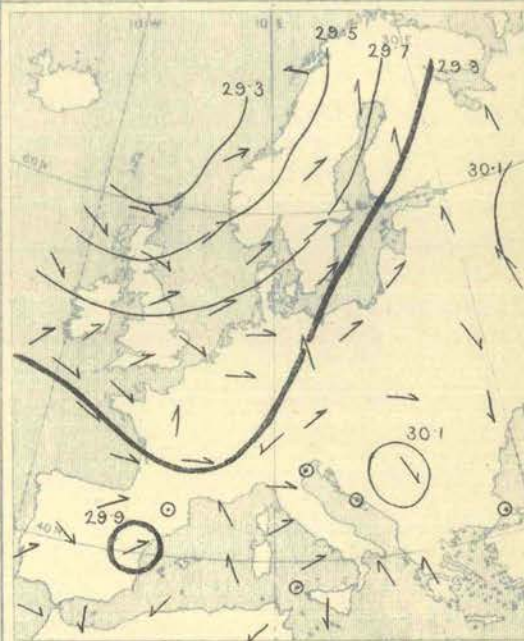


Barometer and Wind.

8 a.m.



6 p.m.



Weather fair over a considerable portion of western, central, and southern Europe, but dull at several of our own southern stations, and showery in Ireland. Rainy in many parts of Scandinavia and also at Archangel, dull in the south of Russia; rainy at Lisbon. Showers falling during day in all the more northern and eastern parts of the United Kingdom, as well as in Scandinavia and the south of France; thunder and hail occurring at Aberdeen in afternoon. Thunderstorms reported during day at Lyons and Perpignan.

Temperature risen over north-western and central Europe, but fallen in most other regions. Morning readings highest, 67° at Palma and Algiers, 66° at Barcelona and Constantinople, and 65° at Patras, above 55° in most parts of southern Europe and also at St. Petersburg. Lowest, (1) 39° at Hernösand, 40° at Haparanda, and 42° at Stockholm; (2) 41° at Sumburgh Head, and 45° at Stornoway. Daily maxima below 55° on our extreme north and north-west coasts, but thermometer rising to between 60° and 62° over the central part of England; exceeding 65° at many of the French stations, and exceeding 70° in Italy and the south of France.

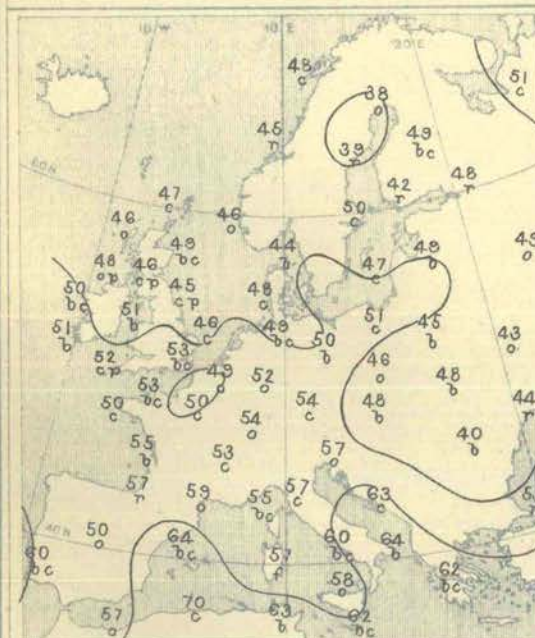
Wind light to fresh from the Westward or South-Westward over our Islands, the Netherlands, and Germany, Denmark, and Norway; Southerly over Russia and the Baltic, with a gale at Wisby; Easterly at Bodö and Hernösand. Light from the Eastward in the west and south of France; variable in Spain, Italy, and Austria. No important change occurring during day, but Westerly winds springing up in the west of France.

Barometer highest, 30.1 ins. and upwards in a large anticyclone lying over central Russia; 30.0 ins. and upwards in two other systems, one lying over Austria and the other over Algeria and the south of Spain. Lowest, 29.3 ins. and less in a small depression lying near the Shetlands. Depression subsequently moving eastwards, and barometer rising in most parts of western Europe. Anticyclone over Austria travelling slowly south-eastwards.

Monday, 7th May.

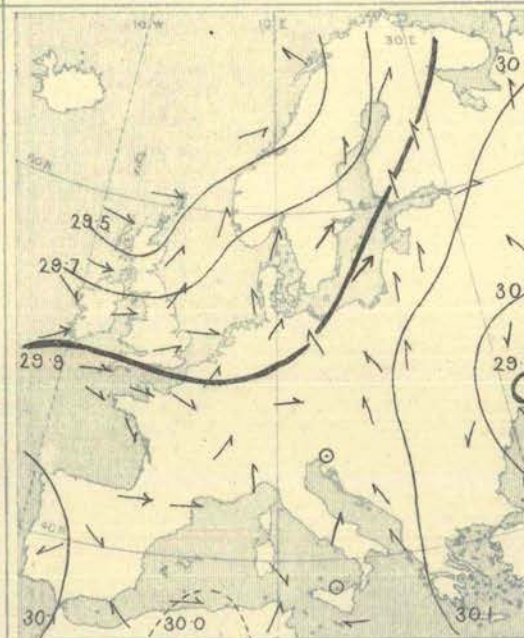
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather fair over western, central, and southern Europe generally, but passing showers reported at one or two of our own stations, and rain at Biarritz. Dull and rainy in many parts of Scandinavia and Russia, as well as at Constantinople. Showers falling during day in most parts of our Islands and France, with hail in the east of England; thunderstorms occurring at Spurn Head, the Helder, and Lyons. Heavy rain reported at Lésina and Palma, the amount at the former station being as much as 3.7 ins.

Temperature fallen a little in the north of our Islands, and also in Russia and the north of Scandinavia, but risen elsewhere. Morning readings highest, 70° at Algiers, 68° at La Calle and Sfax, and 65° at Oran; above 60° at several of the Mediterranean and Adriatic stations and above 55° over southern Europe generally. Lowest, (1) 38° at Haparanda and 39° at Hernösand; (2) 40° at Hermanstadt and 43° at Cracow and Kiev; (3) 45° at Naim and Shields. Daily maxima below 60° over the greater part of our Islands, but slightly exceeding that point at the inland English stations. Exceeding 70° in Italy and the south of France.

Wind moderate from the Westward over the greater part of our Islands, but strong in the north of Ireland. South-Westerly or Southerly over the Netherlands, Denmark, Scandinavia, and the Baltic; South-Easterly in eastern Germany. Moderate from the North-Westward in the west of France; light and variable over Spain, Italy, and Austria. Subsequently backing to the South-Westward at many of our western stations; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in an elongated anticyclone extending from northern and central Russia to eastern Austria, Turkey, and Asia Minor, as well as in another system lying over the western parts of the Spanish Peninsula. Lowest, 29.6 ins. and less in a shallow depression lying to the northward of our Islands and the westward of Norway, 29.9 ins. and less in a small disturbance situated a little to the northward of Crimea. Barometer rising over western Europe during day, but new depression beginning to approach extreme west coasts in evening.

Tuesday, 8th May.

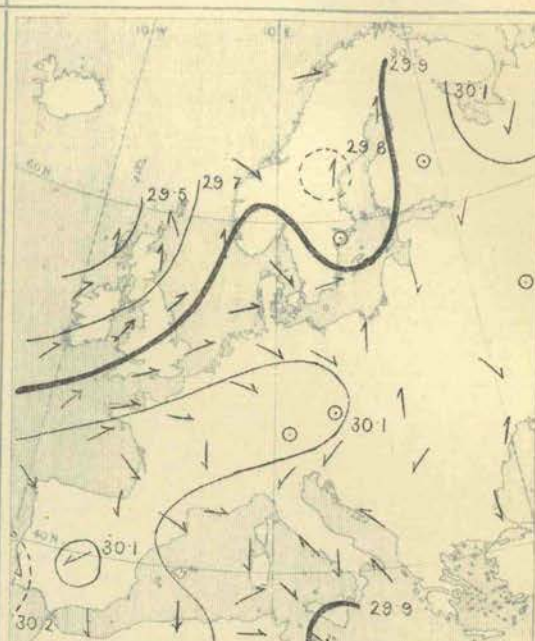
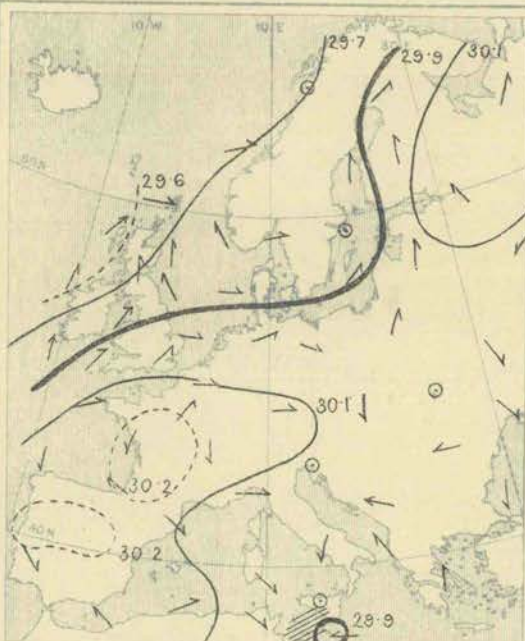
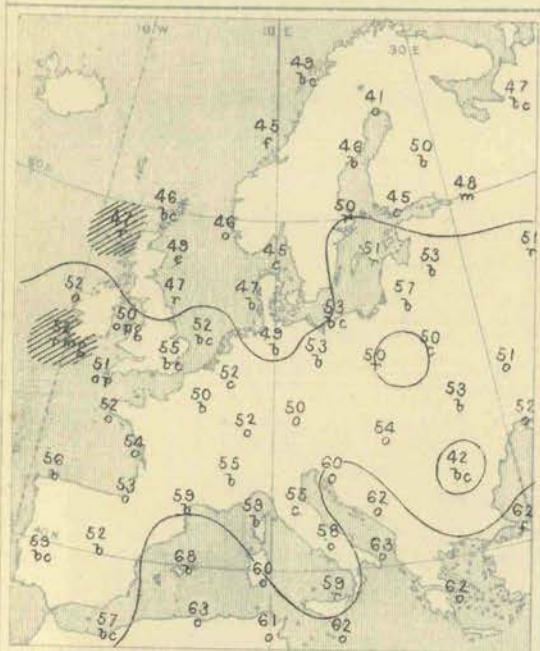
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

8 p.m.



Weather fair in the south-east of England, and also in the north of Scotland, but dull in other parts of our Islands, with rain or passing showers in many places. Fine over the western portions of the Continent, and also over northern Russia; dull in most other localities, with rain in the south of Sweden, as well as at Moscow, Breslau, and Palermo. Rain falling during day in the west and north of our Islands generally, and also in the south of Italy. Solar halos seen in the south of England. Thunderstorms occurring at Berlin and Swinemünde.

Temperature changed irregularly over the southern countries, but risen in most other regions. Morning readings highest, 69° at Barcelona, 68° at Palma, and 65° at Patras; above 60° at several of the Mediterranean and Adriatic stations, and above 55° over southern Europe generally. Lowest, (1) 41° at Haparanda, and 45° at Christiansund and Skagen; (2) 42° at Hermanstadt. Daily maxima below 60° over the greater parts of the United Kingdom, but thermometer reaching or slightly exceeding that point at some of our central and southern stations. Exceeding 70° in Spain and the south of France.

Wind Southerly or South-Westerly over the greater part of the United Kingdom, and strong in force at some of our western stations. Westerly in the south-east of England, as well as in Norway, Denmark, and Germany; Southerly in Sweden and Finland. Light and variable in Austria and the south of Russia; chiefly Northerly in Italy, Spain, and the south of France. No important change occurring over western Europe during day.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards in an anticyclone covering the Bay of Biscay, France, Spain, and western Algeria, as well as in another system lying over northern Russia. Lowest, 29.6 ins. and less in a depression lying off our extreme north-west coasts; 29.9 ins. and less in a small shallow system near Malta. Western depression subsequently moving northwards, and barometer rising again in the south of Ireland; no important change occurring elsewhere.

Wednesday, 9th May.

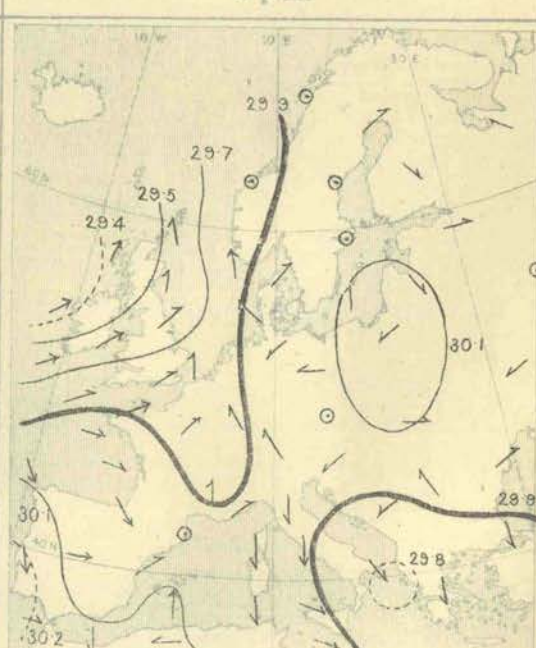
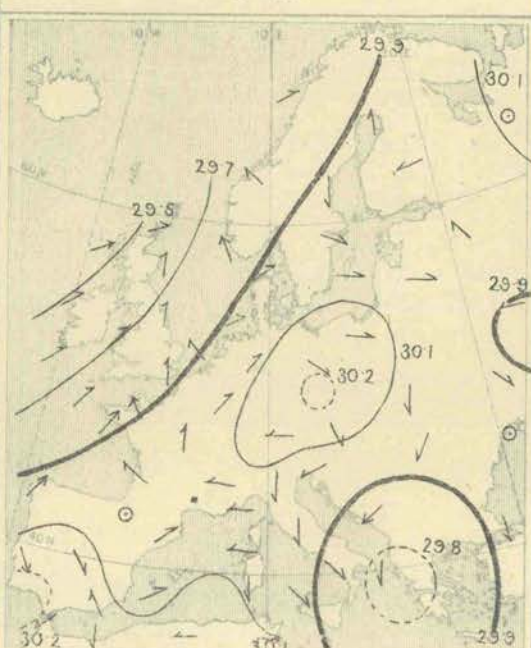
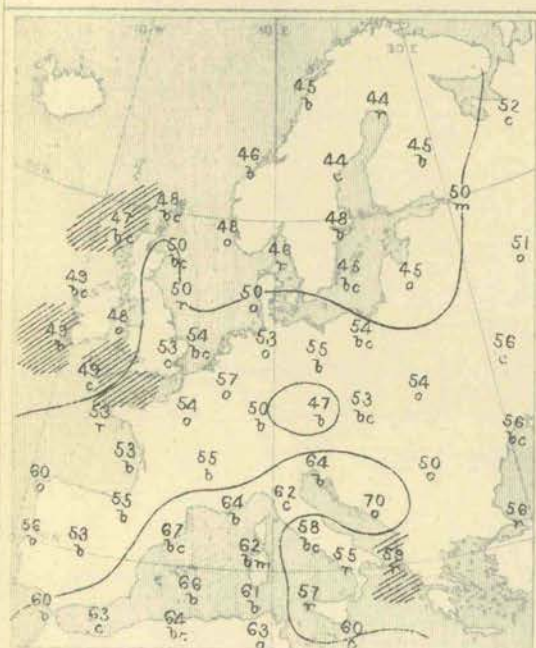
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

8 p.m.



Weather fine in Ireland and Scotland, but dull over England, with rain at several of the western and northern stations. Fine in many parts of France, Spain, and Germany, and also in the west of Norway; cloudy or overcast in other portions of the Continent, with rain in the south of Italy, as well as at Constantinople. Rain falling during day in nearly all parts of England and Ireland, and also at some of the Scotch and French stations. Thunderstorm occurring at Lyons in evening.

Temperature changed very irregularly. Morning readings highest, 70° at Lésina, 67° at Barcelona, 66° at Palma, and 65° at Stax; above 60° at most of the Mediterranean and Adriatic stations, and above 55° on the coasts of the Spanish Peninsula, as well as in the south of Russia. Lowest, (1) 42° at Hango, and 44° at Haparanda and Hernösand; (2) 45° at Malin Head and 47° at several of our own western and northern stations. Daily maxima below 55° in many parts of the United Kingdom, and below 60° at all stations excepting the North Foreland. Thermometer exceeding 65° in Germany, and exceeding 70° over the central and southern parts of France, as well as at several of the Spanish and Italian stations.

Wind Southerly or South-Westerly over our Islands and their immediate neighbourhood and fresh or strong in force on many parts of the English coasts. Varying between North and West over Sweden, Finland, and the Baltic, light and variable over the south of Russia. Northerly or North-Westerly in Italy, variable in Spain and Algeria. Subsequently increasing to a strong breeze from the Southward or South-Westward on our north-west coasts; no important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.2 ins. in three anticyclonic systems, one lying over Russia, another over Germany, and the third over Algeria and the greater part of Spain. Lowest, 29.5 ins. and less in a depression lying to the north-west of our Islands, 29.8 ins. and less in another system to the south-eastward of Italy; 29.9 ins. and less in a shallow disturbance over central Russia. New disturbance advancing later to our extreme north-west coasts, and barometer falling rather briskly in the north of Ireland.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, 19TH MAY, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 116.)		Temperature of the Air.													
		Observed during the Week.					Accumulated.								
		Highest.	Lowest.	Averages of			Above or below the Mean for the Week.	For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	23	50.8	38.8	44.4	3 below.	Day-deg. 30	Day-deg. -13	Day-deg. 9	Day-deg. +4	Day-deg. 420	Day-deg. +133	Day-deg. 469	Day-deg. -66
	1. SCOTLAND, EAST	59	29	49.6	40.1	44.5	3 below.	25	-31	5	+1	452	+56	552	-15
	2. ENGLAND, N.E.	63	33	51.4	42.7	46.8	2 below.	34	-21	0	-3	499	+112	433	-68
	3. ENGLAND, EAST.	71	38	59.7	45.5	52.2	2 above.	71	0	0	-4	667	+173	459	-107
	4. MIDLAND COUNTIES.	67	33	58.9	43.8	50.9	0 (average)	62	-8	0	-4	686	+163	457	-101
5. ENGLAND, SOUTH	73	37	61.9	47.7	54.4	3 above	87	+12	0	-1	744	+180	300	-122	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	64	33	54.7	42.9	48.4	1 below.	45	-14	0	-3	507	+91	322	-90
	7. ENGLAND, N.W.	63	37	56.2	45.3	50.4	0 (average)	59	-4	0	-2	625	+193	288	-133
	8. ENGLAND, S.W.	69	31	58.0	46.0	51.6	1 above.	67	0	0	-1	733	+185	229	-88
	9. IRELAND, NORTH	67	36	53.7	43.7	48.4	2 below.	45	-16	0	-2	594	+84	319	-46
	10. IRELAND, SOUTH	69	37	58.2	46.5	52.0	1 above.	70	+3	0	-1	773	+152	202	-75
	-CHANNEL ISLANDS	65	44	57.7	49.3	53.2	1 above.	78	+3	0	0	897	+241	94	-18

DISTRICTS. (See p. 116.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 6	10ths of ins. 0 (average)	93	-2	24.1	Ins. +5.8	37	+13	32	+11	431	+60	33	+6
	1. SCOTLAND, EAST	5	11	6 more.	84	+8	14.4	+3.5	21	-11	18	-9	504	+69	35	+5
	2. ENGLAND, N.E.	5	5	0 (average)	80	+9	7.6	-1.0	18	-24	16	-21	625	+107	34	+8
	3. ENGLAND, EAST.	3	2	3 less.	73	+3	7.5	-0.9	39	-7	36	-7	587	+74	37	+7
	4. MIDLAND COUNTIES.	3	4	1 less.	77	+10	8.8	-0.8	22	-20	20	-18	533	+86	33	+7
5. ENGLAND, SOUTH	2	1	3 less	71	+4	9.0	-0.7	51	+1	47	+1	638	+100	38	+9	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	10	4 more.	95	+14	23.2	+4.6	22	-21	20	-19	492	+27	31	+4
	7. ENGLAND, N.W.	5	12	7 more.	86	+12	13.8	+2.7	26	-21	24	-19	475	+58	32	+6
	8. ENGLAND, S.W.	4	8	3 more.	83	+8	14.8	+0.3	32	-16	30	-15	641	+73	38	+6
	9. IRELAND, NORTH	5	10	5 more.	100	+14	17.3	+5.0	15	-25	13	-23	459	+9	30	+3
	10. IRELAND, SOUTH	5	13	7 more.	96	+16	17.9*	+3.3	23	-23	21	-21	519	-16	32	0
-CHANNEL ISLANDS	4	9	5 more.	84	+2	12.4	+0.3	41	-13	39	-13	639	+56	43	+5	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather varied greatly in different parts of the Kingdom. In the south and south-east it was mostly fair throughout the period, but, in the more western, north-western, and north-eastern districts, the earlier half of the week was dull and very rainy. Towards the end snow and sleet showers were experienced in the north and north-east, and the sky became very cloudy over England generally. Thunder and lightning occurred in many places during the middle or latter part of the period.

Temperature was rather below the mean in Scotland, as well as in England N.E. and Ireland N., and just equalled it in the Midland Counties and England N.W.; elsewhere there was a slight excess. The highest of the maxima were recorded on rather irregular dates, and ranged from 73° in England N., and 71° in England E., to 59° in Scotland N. and E. By the end of the period temperature had fallen very quickly, the maximum readings for Saturday being mostly below 50°. The lowest of the minima were registered, as a rule, either on the 13th or 19th, and ranged from 28° in Scotland N., and 29° in Scotland E., to 38° in England E., and to 44° in the Channel Islands.

Rainfall was less than the mean in England E., the Midland Counties, and England S., and

just equal to it in Scotland N. and England N.E.; in all other districts there was an excess, that in most districts being considerable.

Bright Sunshine was very irregularly distributed, but was less than the mean in nearly all districts. The percentage of the possible duration ranged from 47 in England S., and 39 in the Channel Islands, to 20 in the Midland Counties and Scotland W., to 18 in Scotland E., 16 in England N.E., and to 13 in Ireland N.

Barometer and Wind.—During the earlier part of the period a depression advanced over our western districts from the Atlantic, and, after remaining almost stationary for a time, moved very slowly southwards, and, at the same time, gradually filled up. It caused Easterly and North-Easterly winds over all the more northern parts of the Kingdom, with heavy rain, especially in Wales and the north-west of England. By Thursday this disturbance had entirely dispersed, and the conditions over our Islands had become anticyclonic, with Easterly to North-Easterly winds. Towards the end of the week the wind shifted more to the Northward, and increased in force on our south and south-east coasts.

II.—DATA from which the SUMMARY on page 115 has been calculated.

DISTRICTS	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
											Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	53	32	49.0	38.7	43.5	-1.4	24	9	5	0.49	+0.09	*	*	*	*
	Stornoway	53	33	50.3	36.3	42.9	-4.0	30	16	3	0.10	-0.50	54.9	+12.9	48	+11
	Wick	56	33	50.3	40.1	44.9	-1.9	28	5	4	1.36	+0.08	*	*	*	*
	Lairg	56	28	50.7	35.9	42.9	-4.8	32	17	7	0.41	-0.08	*	*	*	*
	Glencarron	59	31	51.6	38.0	44.4	-2.6	34	11	5	0.63	-0.38	*	*	*	*
	Fort Augustus	57	36	50.1	40.1	44.8	-2.9	28	5	4	0.53	+0.07	22.6	?	50	?
	Fort William	59	39	53.7	42.4	47.7	-1.4	40	0	3	0.31	-0.49	31.9	?	28	?
1. SCOTLAND, E.	Nairn	58	30	50.0	38.4	43.9	-5.9	28	10	5	1.27	+0.90	*	*	*	*
	Aberdeen	54	38	49.1	41.6	45.1	-3.0	23	1	4	1.22	+0.76	33.2	+10.3	29	-9
	Braemar	55	29	47.6	36.9	41.4	-4.3	16	23	4	1.05	+0.55	21.5†	††	19†	††
	Ochertyre	59	31	53.3	39.6	46.0	-1.7	38	7	4	0.78	+0.22	*	*	*	*
	Leith	56	40	49.9	42.7	46.1	-3.5	29	0	6	0.97	+0.50	*	*	*	*
	Marchmont	50	35	47.4	42.1	44.6	-2.8	18	0	4	1.30	+0.78	17.0	?	15	?
2. ENGLAND, N.E.	Alnwick Castle	51	33	48.0	41.4	44.5	-1.9	20	2	5	0.95	+0.45	*	*	*	*
	Durham	57	37	51.2	41.6	46.1	-2.2	30	1	6	0.58	+0.13	10.9	-29.1	10	-26
	Shields	52	38	48.9	41.9	45.2	-3.0	23	0	5	0.72	+0.34	*	*	*	*
	Scarborough	57	35	51.2	41.6	46.1	-3.0	30	1	3	0.20	-0.25	*	*	*	*
	York	63	40	58.0	44.7	51.0	+0.6	63	0	4	0.21	-0.23	23.9	-18.3	22	-16
	Spurn Head	53	41	51.3	45.0	48.0	-1.5	42	0	5	0.17	-0.19	*	*	*	*
3. ENGLAND, E.	Hillington	66	40	59.4	45.2	51.9	+1.3	69	0	4	0.27	-0.16	34.9	-12.3	32	-11
	Yarmouth	61	43	54.9	47.0	50.7	+1.0	61	0	2	0.09	-0.33	*	*	*	*
	Gedeston	71	40	60.5	45.1	52.3	+1.8	72	0	3	0.19	-0.19	51.8	+0.1	48	0
	Cambridge	69	38	63.3	45.0	53.6	+2.0	81	0	3	0.18	-0.26	35.0	-10.1	32	-9
	Rothamsted	66	40	60.5	45.2	52.4	+2.0	73	0	3	0.10	-0.40	34.2	?	31	?
	Bawtry (Hesley Hall)	64	33	59.0	42.3	50.2	-0.7	67	0	2	0.07	-0.41	*	*	*	*
4. MIDLAND COUNTIES	Loughborough	65	39	59.4	44.0	51.2	-0.4	64	0	3	0.12	-0.36	*	*	*	*
	Stamford (Ketton Hall)	67	39	61.3	44.0	52.1	+0.3	71	0	3	0.09	+0.47	*	*	*	*
	Cheadle	61	38	56.5	42.4	49.0	+0.1	49	0	4	0.43	-0.12	*	*	*	*
	Churchstoke	61	35	56.6	43.4	49.6	+0.7	53	0	5	1.15	+0.65	20.8	-21.2	19	-20
	Hereford	62	38	58.7	44.6	51.2	-0.2	64	0	3	1.01	+0.54	*	*	*	*
	Cirencester	63	40	58.7	44.3	51.1	+1.0	64	0	3	0.55	+0.06	26.1	-18.4	24	-17
5. ENGLAND, S.	Oxford	65	39	60.6	45.4	52.5	+1.1	74	0	2	0.13	-0.32	24.7	-18.8	23	-17
	London	70	39	65.1	47.0	55.5	+2.7	95	0	1	0.07	-0.35	42.3†	+0.6†	39†	0†
	North Foreland	68	44	57.7	48.0	52.6	+1.8	74	0	0	—	?	*	*	*	*
	Stratfield Turgiss	67	37	62.8	45.9	53.8	+2.2	83	0	3	0.13	-0.27	*	*	*	*
	Dungeness	70	40	61.6	49.3	55.1	+3.4	92	0	1	0.01	-0.39	*	*	*	*
	Hastings (St. Leonards)	73	40	63.1	46.9	54.5	+2.3	83	0	2	0.06	-0.35	59.1	+5.6	55	+5
6. SCOTLAND, W.	Southampton	70	40	65.0	48.4	56.2	+3.7	99	0	2	0.05	-0.41	45.7	-2.0	42	-2
	Hurst Castle	68	42	61.3	50.3	55.6	+3.6	95	0	2	0.09	-0.31	*	*	*	*
	Stowell	63	38	58.5	45.8	51.8	+1.2	69	0	3	0.29	?	*	*	*	*
	Laudale (Loch Sunart)	64	38	58.4	43.3	50.4	+1.1	59	0	1	0.09	-0.83	*	*	*	*
	Glasgow	56	39	51.3	42.1	46.4	-1.1	31	0	4	1.31	+0.76	14.2	-21.8	13	-19
	Ardrossan	56	41	52.4	43.1	47.5	-2.5	39	0	4	0.63	+0.10	*	*	*	*
7. ENGLAND, N.W.	Glenlee	61	33	55.7	41.0	47.9	-0.6	46	3	4	1.33	+0.66	*	*	*	*
	Douglas (Isle of Man)	61	41	55.5	45.0	49.9	+0.5	65	0	5	1.64	+1.15	29.9	-20.8	27	-19
	Stonyhurst	59	37	55.5	44.9	49.9	-0.3	55	0	4	0.75	+0.15	29.4	-14.1	23	-13
	Blackpool	63	38	58.1	45.3	51.3	+0.8	65	0	4	1.24	+0.77	21.6	-24.0	19	-22
	Manchester (Prestwich)	60	37	55.4	43.4	49.0	-0.8	49	0	4	0.55	0.00	30.9	?	28	?
	Liverpool Obs. (Bidston)	61	41	57.3	45.9	51.3	+0.1	65	0	4	0.90	+0.47	*	*	*	*
8. ENGLAND, S.W.	Llandudno	60	43	56.1	46.4	51.0	+0.4	63	0	5	1.43	+1.01	18.9	-24.5	17	-23
	Holyhead	60	42	54.7	45.6	49.9	-1.0	55	0	6	2.07	+1.65	*	*	*	*
	Llandoverly	68	31	60.1	44.4	51.8	+1.1	69	0	4	0.94	+0.31	*	*	*	*
	Pembroke	57	44	54.1	46.9	50.3	-0.0	58	0	5	1.85	+1.40	23.8	-25.7	21	-24
	Bristol (Montpelier)	67	41	60.7	47.0	53.4	+2.0	80	0	3	0.50	?	*	*	*	*
	Arlington (N. Devon)	62	37	57.0	44.4	50.3	+0.9	53	0	5	1.04	+0.37	*	*	*	*
9. IRELAND, N.	Cullompton	65	40	59.0	45.8	52.0	+0.8	70	0	4	0.60	+0.11	25.2	-18.6	23	-17
	Falmouth	65	45	58.7	47.4	52.7	+1.0	75	0	3	0.63	+0.02	49.6	+0.8	46	0
	Plymouth	69	37	57.7	45.4	51.2	-2.1	64	0	4	0.58	+0.11	27.8	-18.9	26	-18
	Prawle Point	62	43	56.3	46.4	51.1	+0.4	64	0	4	0.47	+0.12	*	*	*	*
	Malin Head	53	43	50.1	44.7	47.2	-3.5	33	0	4	0.49	?	*	*	*	*
	Londonderry	64	38	54.8	42.2	48.1	-3.0	43	0	4	0.76	+0.23	*	*	*	*
10. IRELAND, S.	Edenfel (Omagh)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Belmullet	58	43	52.9	45.3	48.9	-2.9	48	0	6	1.38	?	*	*	*	*
	Markree Castle	67	36	56.3	43.3	49.4	+0.1	52	0	6	1.01	+0.56	20.9	-21.3	19	-19
	Brookeborough	63	36	53.9	42.2	47.7	-1.7	40	0	5	0.72	+0.16	*	*	*	*
	Armagh	61	36	54.2	41.9	47.7	-2.2	40	0	5	1.35	+0.30	12.5	-29.3	11	-27
	Donaghadee	58	43	53.4	46.6	49.3	+0.1	55	0	6	1.51	+0.99	*	*	*	*
CHANNEL ISLANDS.	Edgeworthstown	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Dublin	58	41	53.9	45.9	49.7	-2.0	54	0	6	2.62	+2.17	17.3	-30.7	16	-28
	Parsonstown	62	37	57.4	42.1	49.3	-1.2	51	0	4	1.23	+0.72	17.1	-25.4	16	-23
	Kilkenny	69	40	58.9	45.6	51.9	+0.8	67	0	5	2.43	+1.98	*	*	*	*
	Waterford	68	41	59.9	46.0	52.5	+0.8	74	0	4	0.73	+0.19	*	*	*	*
	Roche's Point	65	44	57.9	48.1	52.7	+0.3	75	0	3	0.24	-0.47	*	*	*	*
CHANNEL ISLANDS.	Valencia	64	48	58.6	49.9	54.0	+2.1	84	0	5	1.14	+0.42	33.3	-14.2	31	-13
	Killarney	63	44	59.6	46.2	52.5	+1.3	74	0	5	0.60	?	*	*	*	*
	Foynes	67	39	59.5	47.8	53.3	+1.9	79	0	4	1.35	?	*	*	*	*
	Scilly (St. Mary's)	61	46	56.7	49.0	52.6	+0.5	74	0	4	0.79	+0.39	45.1	?	43	?
	Jersey	65	44	58.6	49.6	53.3	+0.8	83	0	4	0.99	+0.57	41.7	-13.3	39	-13

Stations marked $\mathcal{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

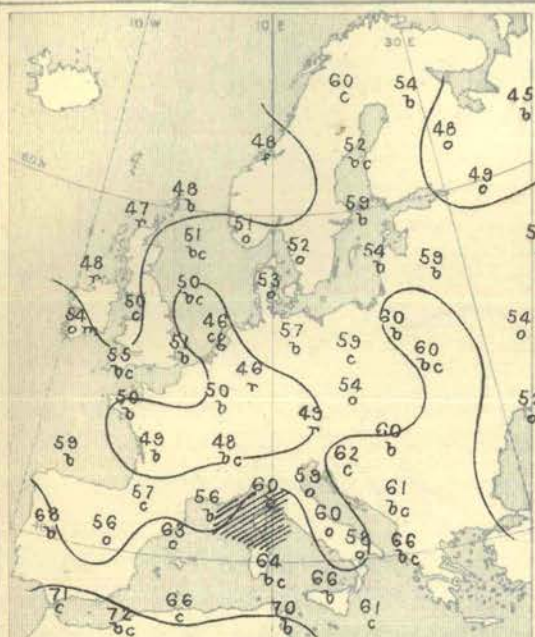
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 13th May.

Temperature and Weather.

8 a.m.

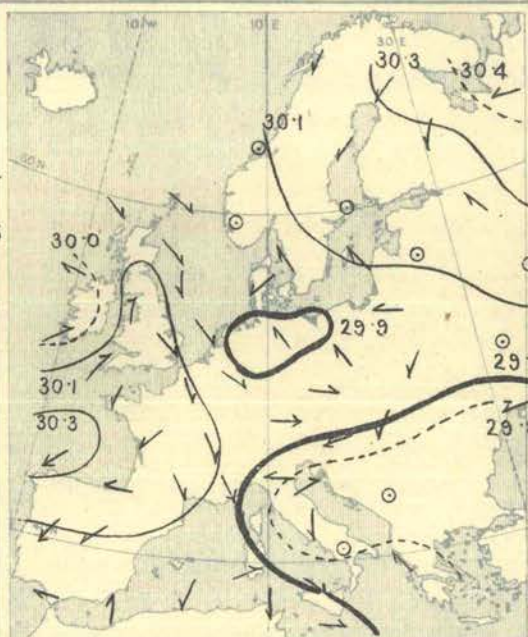


Weather fine over Great Britain, France, and the western parts of the Spanish Peninsula; dull and rainy in Ireland. Fine and bright over Sweden, the Baltic, and Poland; dull in most of the other Continental countries, with rain at Wiesbaden and also in the south of Russia. Rain falling later in all the more western and northern parts of the United Kingdom, as well as at several of the Danish, Dutch, and German stations. Solar halos seen in many parts of England; thunderstorms occurring in Germany.

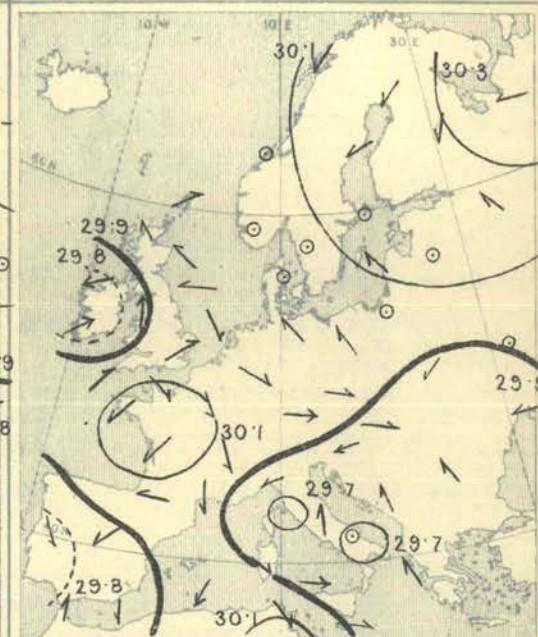
Temperature risen over Great Britain, Germany, and the south of Scandinavia, fallen in most other localities. Morning readings highest, 72° at Oran, 71° at San Fernando, 70° at La Calle, and 68° at Lisbon; above 60° at most of the Mediterranean and Adriatic stations. Lowest, (1) 44° at Parsonstown, 45° at Le Mans, and 46° at Yarmouth and Brussels; (2) 45° at Archangel and 48° at Kuopio. Daily maxima below 55° at several of our own western and northern stations, but ranging between 60° and 64° over the inland parts of England. Thermometer exceeding 70° in many parts of central and southern Europe, and reaching 80° at Madrid and 81° at Lisbon.

Barometer and Wind.

8 a.m.



6 p.m.



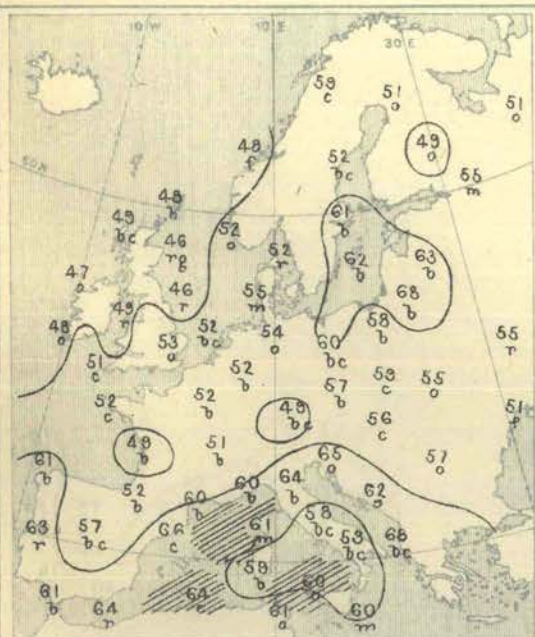
Wind light to moderate from the South-Westward on our south-west coasts, but from the Eastward in the north of Ireland. Light from the North-Westward or Northward over Great Britain and France, and from the Westward over the southern parts of Germany; Easterly over Russia and the Baltic; North-Easterly in Scandinavia. Variable in Italy and Algeria; North-Easterly in Spain. Subsequently shifting to the Eastward over the northern parts of Great Britain, and to the South-Westward on our southern coasts; becoming calm or variable in Scandinavia.

Barometer highest, 30.4 ins. and upwards in an anticyclone over northern Russia; 30.3 ins. and upwards in another system off the north-west of Spain. Lowest, 29.8 ins. and less in a large shallow area covering the greater part of south-eastern Europe, and extending westwards over Italy; 29.9 ins. and less in a depression over north Germany; 30.0 ins. and less in a well-marked disturbance off the west of Ireland. German depression subsequently filling up; Irish disturbance spreading slowly eastwards over the greater part of the United Kingdom.

Monday, 14th May.

Temperature and Weather.

8 a.m.

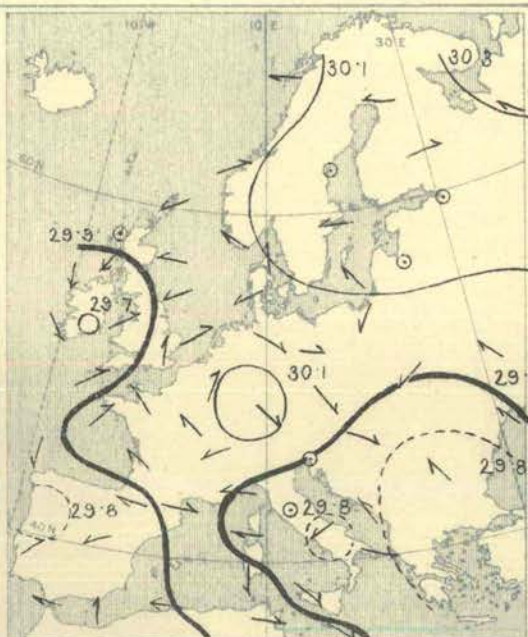


Weather in morning fine and bright over central and southern Europe, with the Mediterranean, unsettled elsewhere; very rainy in Ireland, Wales, and Scotland, dull over Russia, with rain at Kiev, fog at Odessa, and unsettled looking over England. Much rain over Wales, Ireland and Scotland later, and about 0.3 in. at Bodø; thunderstorms occurring at Königsberg and Breslau. Solar and lunar halos in several parts of England, but weather clearing over the south-eastern half of the country during day.

Temperature not much changed. Morning readings highest, 68° at Brindisi and at Memel, exceeding 60° at most of the Mediterranean and Adriatic stations, and exceeding 50° over nearly the whole of the Continent. Lowest, 45° at Malin Head, 46° at Shields and Aberdeen, and below 50° over Scotland generally. Rising later to between 60° and 67° over England, and to 68° at Stockholm. Exceeding 70° in many parts of central and southern Europe, and reaching 80° at Madrid.

Barometer and Wind.

8 a.m.



6 p.m.



Wind very light and variable over the Continent generally; moderate Southerly over England, Easterly in Scotland, and fresh Northerly over Ireland. Another cyclonic circulation of light winds prevailing over the Iberian Peninsula. Hardly any change later.

Barometer highest, 30.3 ins. to 30.0 ins. all over northern Europe and the Baltic; 30.1 ins. and more to 30.0 ins. over France and Germany. Lowest, 29.8 ins. and less over south-eastern Europe and in the neighbourhood of Naples; about 29.8 ins. in a small depression over Portugal; and below 29.7 ins. in another over the south-eastern half of Ireland. Latter system moving slowly southwards later and beginning to fill up, while that over Portugal moved north-eastwards to the Bay of Biscay.

Tuesday, 15th May.

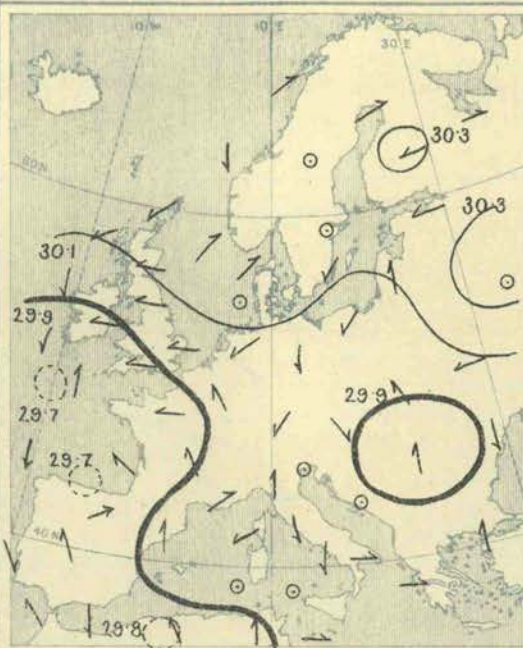
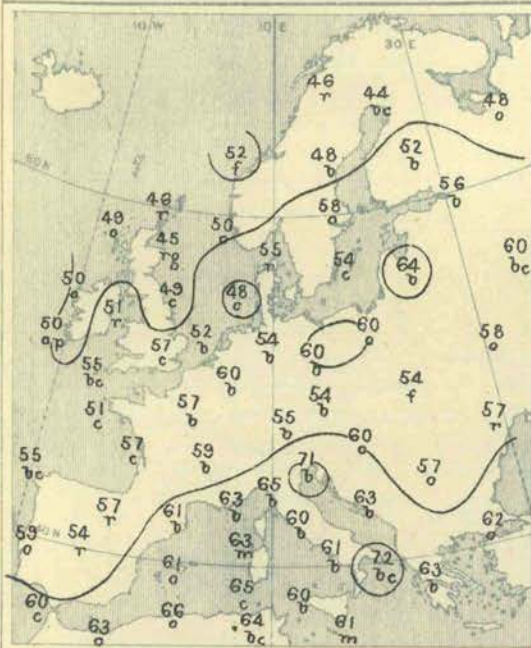
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over France, the west and north of Germany, the Baltic Provinces, Finland, and the northern parts of Sweden. Cloudy or overcast very generally elsewhere, with rain in many parts of Norway, Denmark, the British Islands, Spain, and the south of Russia; fog over Hungary. Rain falling later all over our Islands (heavily in the north-east of Scotland and some parts of Ireland); thunderstorms occurring in Germany, as well as at Lyons and Algiers, and considerable quantities of rain falling at Bilbao and Madrid.

Temperature rising over the British Islands and France. Morning readings highest, 71° at Trieste, 66° to 60° at the Mediterranean and Adriatic stations and at Oporto, 60° at Buda-Pesth and Breslau; above 50° in most other places. Lowest, 44° at Haparanda, 46° at Bodø, and below 50° over Scotland and the extreme northern parts of England and Ireland. Rising later to between 60° and 70° over England, 75° at Berlin, 77° at Paris, 78° at Lyons, and 82° at Clermont. Night also warm over England.

Wind (1) extremely light and variable over northern, eastern, and southern Europe; (2) moderate from North-East over Ireland and Scotland, Easterly over England and the Channel, and South-Easterly in the east of France, but North-Westerly at Brest and Lorient, Northerly on the coast of Portugal. The North-Easterly wind becoming stronger in the west of Scotland later. Very little change elsewhere.

Barometer highest, 30.3 ins. and more to 30.1 ins. in a complex anticyclone lying over central and northern Russia, Scandinavia, and the north-eastern parts of the North Sea, and exceeding 30.0 ins. in a ridge extending thence across western Germany to Switzerland and Italy. Lowest, 29.8 ins. and less in a complex depression over the Bay of Biscay and extreme south-west of our Islands, and below 29.9 ins. both over central France and Austria-Hungary. French depression moving north-eastwards later, but barometer rising slowly on our north-western and northern coasts and over Scandinavia.

Wednesday, 16th May.

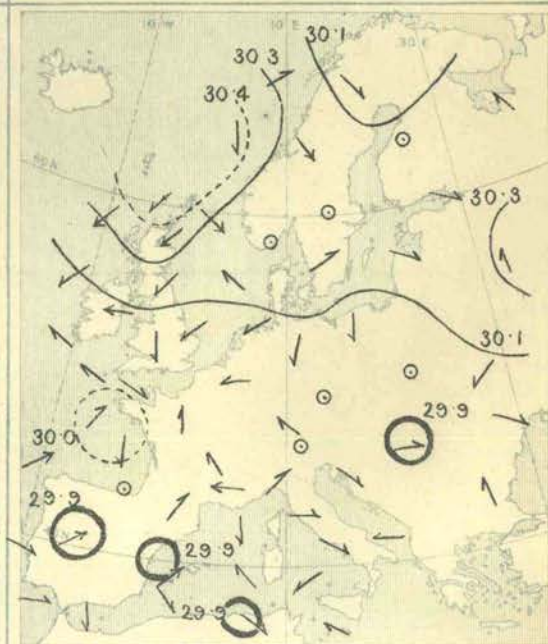
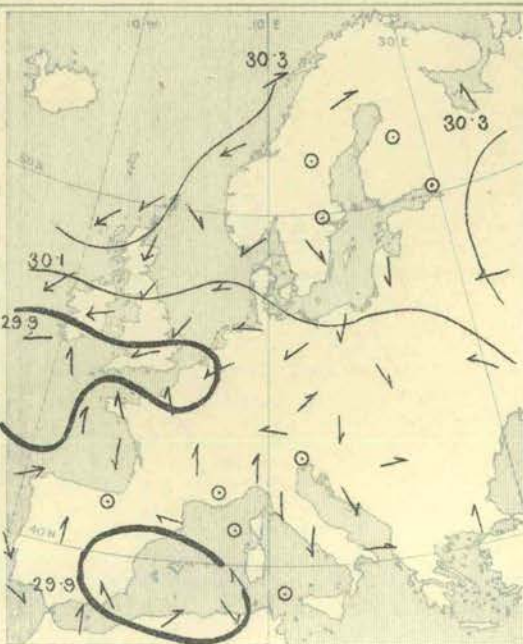
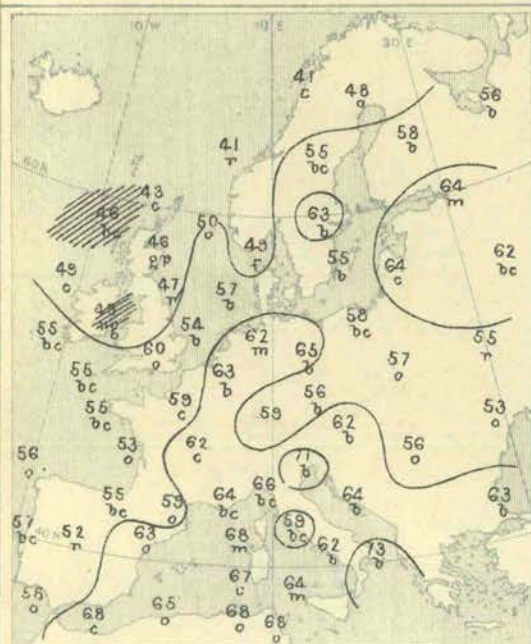
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over the northern half of Russia, central Europe, the Adriatic, and the Mediterranean, cloudy or overcast elsewhere, rainy and unsettled over Norway and the northern and western parts of the British Islands generally, as well as in several parts of Spain; rain at Kiev also, fog at Niclaieff. Considerable rain over the northern parts of Ireland later, and smaller quantities over the remainder of Ireland, the north of England, and south of Scotland, as well as at many of the Continental stations; thunder and hail at Valencia.

Temperature fallen a little over the south of Russia and the British Islands, considerably over Norway, risen over France and Germany. Morning readings highest, 71° at Trieste, and 60° or more at most stations on the coast of southern Europe, 66° at Memel, 65° at Berlin, 64° at Riga; 63° at Stockholm. Lowest, 41° at Bodø and Christiansund, 43° at Sunburgh Head, 46° at Aberdeen, 48° at York. Rising to between 60° and 69° over our southern counties during day, to 77° at Paris, 79° at Berlin, 80° at Lyons, 81° at Fano, and 82° at Brussels.

Wind still light and variable over eastern, south-eastern, and central Europe; North-Easterly to Northerly over the greater part of the British Islands, and blowing strongly at our northern and north-western stations, Southerly over Brittany and the mouth of the English Channel; Easterly over the eastern side of the North Sea and the western parts of the Mediterranean. Blowing a gale from East-North-East at Donaghadee later, but beginning to back in Norway; no important change occurring elsewhere.

Barometer highest, (1) 30.3 ins. and more off our extreme northern coasts and (2) over central Russia, and exceeding 30.1 ins. over the northern countries of Europe generally; (3) 30.2 ins. and more over the Azores, and above 30.0 ins. in Portugal. Lowest, 29.8 ins. and less off our own south-west coasts; below 29.9 ins. in a shallow disturbance over the north-east of France and the Netherlands, and below 30.0 ins. over south-eastern Europe. Rising over our Islands and France all day, and shallow depression to the southward of us gradually filling up.

Thursday, 17th May.

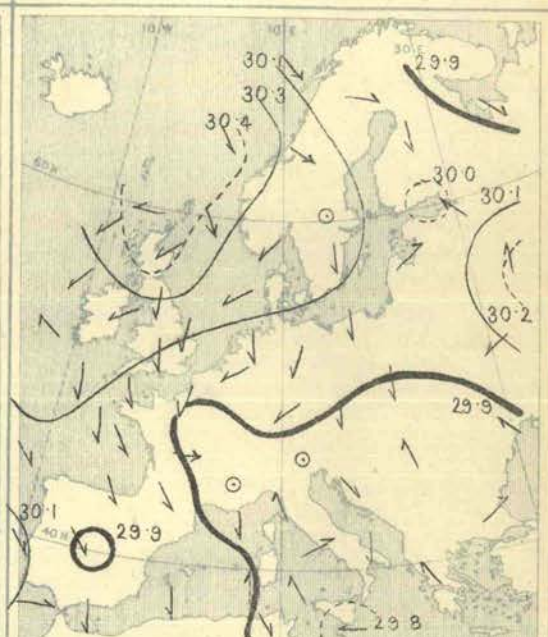
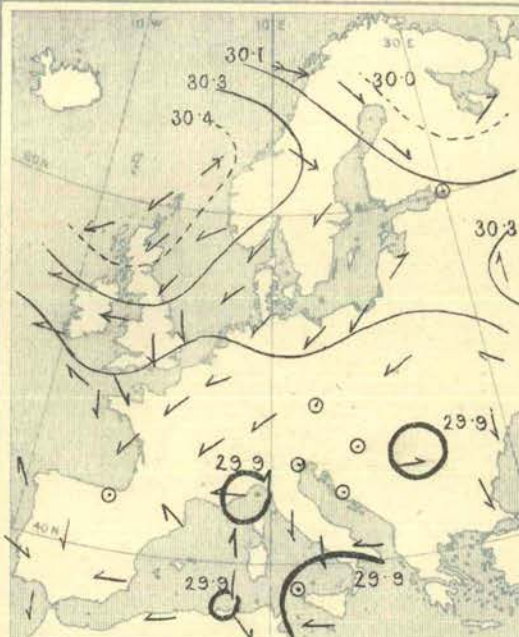
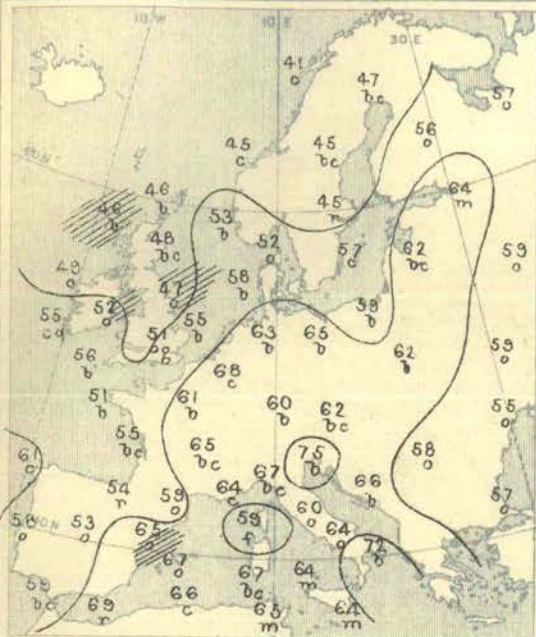
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather dull at most of the English stations, as well as in the north of Scotland, with rain at Spurn Head and Jersey, fine in Scotland and also in the south of Ireland. Fine over the greater part of the Continent, but dull at many of the Russian stations, as well as in central Italy and the south of France: rainy at Le Mans, Limoges, and Biarritz. Sky clearing later in many parts of England, but rain falling in the western parts of our Islands and France; thunderstorms occurring at Prawle Point, Jersey, Nantes, and Lorient, and lightning at Lyons.

Temperature changed very irregularly. Morning readings highest, (1) 75° at Trieste, 72° at Brindisi, and 70° at Sfax; (2) 68° at Brussels, Münster, and Wiesbaden; above 60° in many parts of central and southern Europe. Lowest, 41° at Bodö, 41° at Leith, and 45° at Hernösand, Christiansund, Nairn, Aberdeen, and Ardrossan. Daily maxima below 55° over the northern parts of our Islands, but thermometer exceeding 65° in the south-east of England, and reaching 70° at the North Foreland. Rising to 79° at Berlin, 80° at Brussels, and 86° at Paris; exceeding 80° in several parts of southern Europe.

Wind light to moderate from the North-Eastward or Northward over the Baltic, Denmark, Germany, France, and the eastern and south-eastern parts of Great Britain; Easterly in the west and north of our Islands, with a gale at Donaghadee, Westerly or North-Westerly over Finland and the north of Scandinavia, with a gale at Bodö. Light from the Eastward or South-Eastward in the south of Russia; variable over Austria, Italy, and Spain. No important change occurring during day, but wind moderating over Irish Sea.

Barometer highest, 30.4 ins. and upwards in an anticyclone extending from the northward over the west of Norway and the northern parts of Scotland; 30.3 ins. and upwards in another system over central Russia. Lowest, 29.9 ins. and less in a depression lying off the south of Italy, and also in small disturbances lying respectively over Transylvania, the Gulf of Genoa and Tunis; 30.0 ins. and less in a large system over northern Russia. No important change occurring during day.

Friday, 18th May.

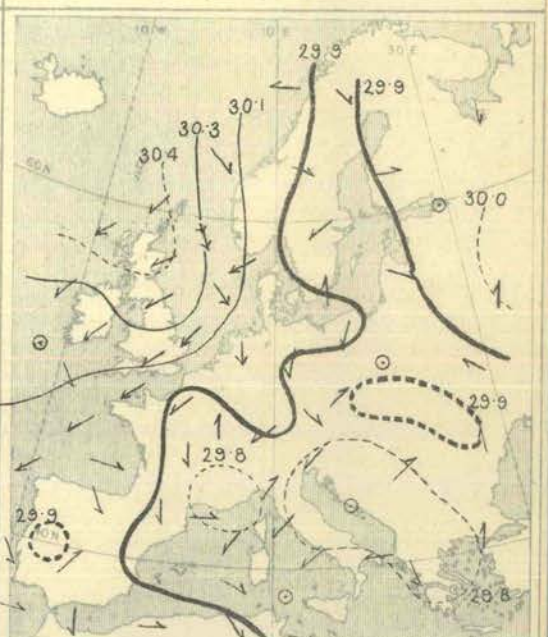
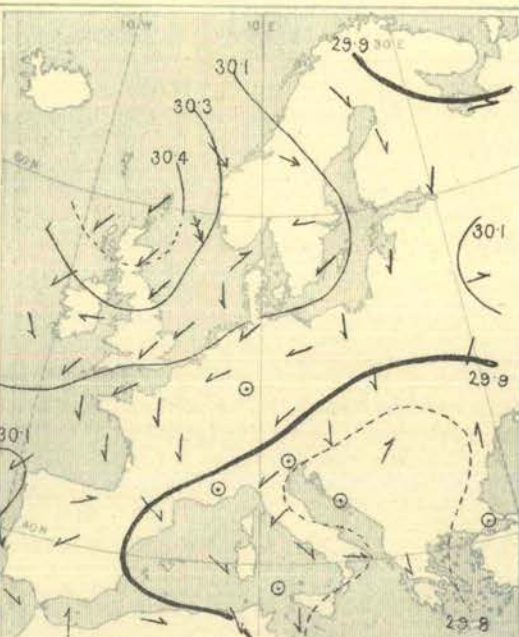
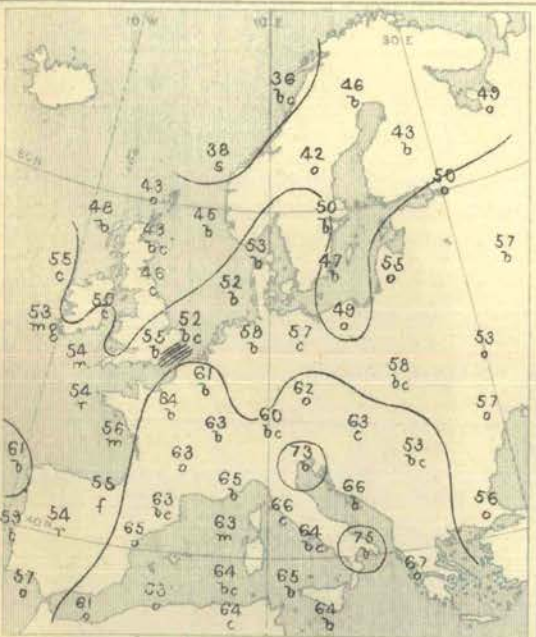
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine over the greater part of our Islands and the Continent, dull over central England, as well as at several of the Russian and German stations; rain falling in the north-west of France and at Madrid and Nicolaieff, snow reported at Christiansund. Sky clearing later over central England, but showers falling in Scandinavia, western Russia, and the north of Scotland, and in the south-west of England; thunderstorms reported at Scilly, in the west and south of France, and at Kiev. Solar and lunar halos seen in the south of England.

Temperature fallen decidedly over northern Europe, but changed little and irregularly elsewhere. Morning readings highest, 75° at Brindisi, 73° at Trieste, and 68° at Wiesbaden and Toulon; above 60° in most of the central and southern countries. Lowest, 36° at Bodö, 38° at Christiansund, 42° at Hernösand, and 43° at Kuopio and Sumburgh Head. Daily maxima below 55° over the northern parts of our Islands, but above 65° at some of our southern stations; exceeding 75° at several of the French and German stations, and exceeding 80° at Paris and several stations over southern Europe.

Wind North-Easterly over our Islands, the Netherlands, Germany, and the north of France, and strong in force on the Kentish coasts. Westerly or North-Westerly over the greater part of Scandinavia and northern Russia, and blowing a gale at Skudsmoes; light from South-West in the neighbourhood of the Skager Rack, Northerly or North-Westerly over the west of France and the Spanish Peninsula; variable in Italy and Austria, light from the Eastward in the south of Russia. Subsequently increasing to a moderate gale from the North-Eastward at some of the Channel stations, and from South-East at Turin; no important change elsewhere.

Barometer highest, 30.1 ins. to 30.4 ins. and upwards in an anticyclone covering our Islands, the North Sea, Denmark, the Baltic, and the greater part of Scandinavia; 30.1 ins. and upwards in another system over central Russia. Lowest, 29.8 ins. and less in a complex area extending from the eastern parts of the Mediterranean over Greece, Turkey, and the southern parts of Austria; 29.9 ins. and less in another system over the extreme north of Russia, and below 30.1 ins. in a very shallow depression over Christiania Fjord. Latter system subsequently moving eastwards.

Saturday, 19th May.

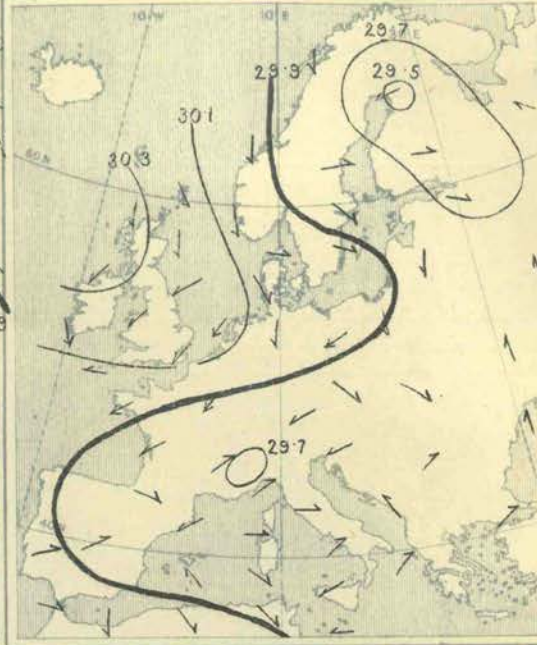
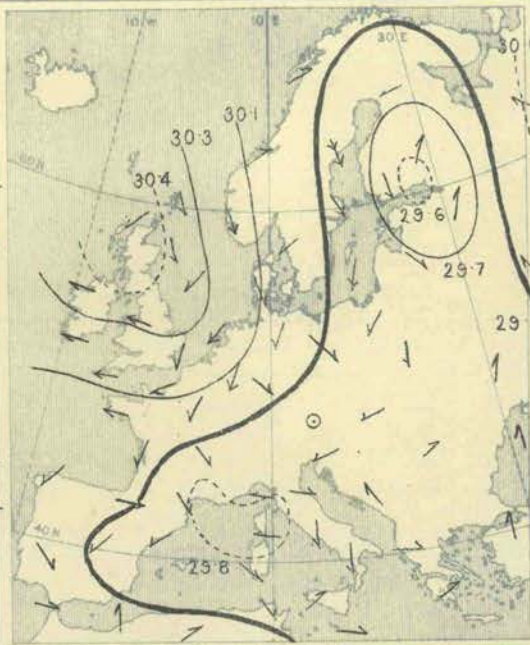
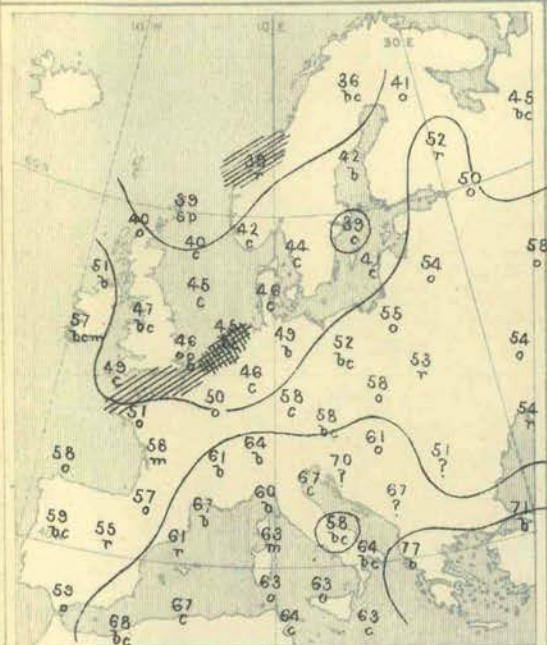
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather in morning fine and bright in the west and north-west of the British Islands, as well as over Italy and the south of France, but, as a whole, cloudy or overcast elsewhere, with rain over Finland, western and southern Russia, as well as in Spain, snow over the Shetlands and Caithness. Cold showers (snow or cold rain) over northern Europe and the northern and eastern parts of the British Islands later, and thunderstorms in the south of France; rainfall very heavy at Clermont and considerable at Lyons and Biarritz.

Temperature in morning, highest, 77° at Brindisi, 74° at Patras, 71° at Constantinople, and 70° at Trieste, and exceeding 60° at the Mediterranean stations, 58° at Moscow, 57° at Kharkov, 52° at Kuopio. Low over north-western Europe for time of year; lowest, 34° to 40° over the northern parts of Scotland, 36° to 42° over Lapland and the northern parts of Scandinavia, 42° at Skudenes, 46° at Fano (fair very dry). Falling to reach 50° later over the northern half of our Islands and in Norway, but touching 60° at Paris, 70° at Nice, 72° at Munich, 80° at Lyons and Cette. Not touching 80° over Italy and Algeria.

Wind mainly Northerly over the North Sea, and North-Easterly to Easterly over the British Islands and English Channel, blowing very strongly over the south-eastern and southern parts of England and the northern coasts of France. North-Westerly to Northerly and strong on the Swedish coasts, North-Westerly, moderate, over the Baltic. Very variable and light over central and southern Europe, South-Easterly over central Russia, South-Westerly in the north-west of Norway. Moderating later over the south of England and the Channel, but shifting to North on the Norwegian coast.

Barometer highest, (1) 30.4 ins. and more to 30.0 ins. over the British Islands, the north of France, and the North Sea; (2) 30.0 ins. and more over the north-east of Russia. Lowest, 29.6 ins. and less in a depression over Finland; below 29.8 ins. over the Baltic Provinces, western Russia, Poland, Austria-Hungary, and south-eastern Europe, as well as over Corsica and the south-east of France. Giving way over our Islands later; a new depression appearing near Haparanda, and that over Finland moving eastwards.

GENERAL NOTES.

During the earlier days of this week pressure was highest over northern Europe, and, while depressions reached the western parts of our Islands and Portugal from the Atlantic, others were developed over Italy and south-eastern Europe, the former causing heavy rains over the northern and western parts of the United Kingdom, and the latter showers and thunderstorms over the southern and central countries. The Irish disturbance now moved southwards, and, together with that in the south-west, carried the unsettled weather to France, where also thunderstorms occurred. On Wednesday a new high-pressure system was developed over the northern parts of our Islands, Norway, and neighbouring parts of the Atlantic, while further depressions, covering a great area, but of little depth, were formed over the southern, south-eastern and central countries. The weather in the latter regions was consequently again showery and changeable, the showers spread in some degree to our south-eastern and eastern coasts, and snow fell over northern Europe generally. Temperature decreased decidedly, the North-Easterly winds on our south-eastern coasts being of a very "searching" character, and, at the close of the week, temperature was very low for the time of year over the western countries, and the air dry and inclement, with no tendency to improvement.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 116.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	11.0	?	10	?	EASTBOURNE	55.7	?	52	?
OSWALDKIRK (Yorkshire)	10.3	?	17	?	MANCHESTER (Oldham Road)	30.8*	?	28*	?
WORKSOP	16.8	-22.5	15	-21	TENBY	24.0*	?	22*	?
THURCASTON (Leicestershire)	22.9	-16.5	21	-15	NEWQUAY	43.0	?	40	?
MARGATE	44.5	?	41	?	TORQUAY	32.0*	?	30*	?
WESTBOURNE (Sussex)	54.2*	?	50*	?	ARLEY COTTAGE (County Cavan)	10.3	?	9	?
BRIGHTON	57.2	?	53	?	GUERNSEY	37.5*	?	35*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
Jan. 13th, 1894.	Ochertyre	51	4	41.6	31.1	36.6	0.0	0	38	6	Inches. 2.42	Inches. +1.28	—	—	—	—
" 20th, "	Foynes	50	36	42.7	34.6	38.4	+2.1	2	31	6	1.47	?	—	—	—	—
" 24th, "	Laing	49	30	44.3	37.2	40.6	+3.3	6	19	7	0.38	-0.41	—	—	—	—
Feb. 10th, "	Glencarron	57	33	51.2	41.1	46.2	+7.2	33	3	6	3.01	+0.73	8.7	-4.3	14	-5
" 17th, "	Blackpool	55	22	45.3	36.1	40.7	+1.0	9	23	—	1.46	+0.34	—	—	—	—
" 24th, "	Jersey	—	—	—	—	—	—	—	—	—	—	—	41.5	+16.8	57	+24
Mar. 10th, "	Laing	46	30	42.6	32.1	37.2	-0.1	2	34	7	1.36	+0.62	—	—	—	—
" 24th, "	Marchmont	64	34	58.9	37.4	47.8	+8.3	60	13	0	—	0.57	44.0	?	52	?
" 24th, "	Scarborough	50	35	54.0	37.7	45.6	+4.2	43	12	1	0.04	-0.43	—	—	—	—
April 7th, "	Laing	62	32	60.0	35.6	47.2	+6.7	63	18	0	—	-0.56	—	—	—	—
" 14th, "	York	—	—	—	—	—	—	—	—	—	—	—	32.3	+1.3	34	+3

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 21.]
Third Series.

WEEK ENDING SATURDAY, 26TH MAY, 1894.

[Price 6d.
Annual Subscription,
post paid, £1 10s. 0d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 122.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	26	52.8	35.0	43.4	5 below.	Day-deg. 39	Day-deg. - 8	Day-deg. 20	Day-deg. +17	Day-deg. 459	Day-deg. +125	Day-deg. 489	Day-deg. - 49
	1. SCOTLAND, EAST	67	24	53.8	34.2	43.4	6 below.	43	-14	22	+19	495	+ 42	574	+ 4
	2. ENGLAND, N.E.	65	29	51.5	35.7	43.1	7 below.	34	-13	18	+16	533	+ 89	451	- 52
	3. ENGLAND, EAST.	67	29	54.4	39.0	46.2	6 below.	42	-35	8	+ 6	709	+138	467	-101
	4. MIDLAND COUNTIES.	69	26	56.2	35.6	45.3	7 below.	50	-26	18	+16	736	+137	475	- 85
5. ENGLAND, SOUTH	72	29	56.9	40.9	48.4	5 below.	49	-33	3	+ 3	793	+147	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	26	55.8	35.1	44.8	6 below.	49	-16	19	+18	557*	+ 76	341	- 72
	7. ENGLAND, N.W.	63	29	53.6	38.2	45.3	7 below.	39	-30	11	+10	664	+163	299	-123
	8. ENGLAND, S.W.	70	27	56.6	39.6	47.6	5 below.	49	-24	7	+ 7	782	+161	236	- 81
	9. IRELAND, NORTH	69	26	58.4	37.2	46.2	5 below.	50	-17	13	+12	642*	+ 65	332	- 34
	10. IRELAND, SOUTH	69	30	57.5	39.1	47.8	5 below.	53	-20	8	+ 8	826	+132	217	- 67
	-CHANNEL ISLANDS	64	41	54.8	45.5	49.9	4 below.	55	-25	0	0	952	+216	94	- 18

DISTRICTS. (See p. 122.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 2	10ths of ins. 4 less.	97	- 1	24.3	+ 5.4	55	+15	47	+ 12	486	+ 76	34	+ 7
	1. SCOTLAND, EAST	3	4	1 less.	87	+ 8	14.8	+ 3.4	60	+19	52	+ 16	564	+ 89	37	+ 6
	2. ENGLAND, N.E.	3	4	1 less.	83	+ 9	8.0	- 1.0	55	+19	49	+ 16	580	+125	35	+ 9
	3. ENGLAND, EAST.	4	9	4 more.	77	+ 4	8.4	- 0.5	56	+ 6	50	+ 7	643	+ 81	38	+ 7
	4. MIDLAND COUNTIES.	3	2	3 less.	80	+ 9	9.0	- 1.1	61	+18	55	+ 17	594	+105	35	+ 8
5. ENGLAND, SOUTH	4	5	1 more.	75	+ 5	9.5	- 0.6	49	+ 2	45	+ 1	687	+102	38	+ 8	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	less than 1	6 less.	96	+12	23.2	+ 4.0	70	+26	61	+ 22	562	+ 53	33	+ 6
	7. ENGLAND, N.W.	2	1	4 less.	88	+11	13.9	+ 2.3	59	+21	53	+ 19	534	+ 79	34	+ 7
	8. ENGLAND, S.W.	3	2	3 less.	86	+ 8	15.0	0.0	67	+18	61	+ 17	708	+ 94	40	+ 8
	9. IRELAND, NORTH	1	1	5 less.	101	+12	17.5	+ 4.6	75	+31	67	+ 23	534	+ 40	32	+ 4
	10. IRELAND, SOUTH	1	1	5 less.	97	+14	18.0	+ 2.8	70	+24	62	+ 20	590*	+ 7	34	+ 3
-CHANNEL ISLANDS	4	2	2 less.	88	+ 2	12.6	+ 0.1	66	+ 5	61	+ 5	755	+ 61	44	+ 5	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather throughout almost all of the period was fair and dry over Ireland and the west of Scotland, but in all other parts of the Kingdom changeable and showery. Thunder and lightning occurred at many of our southern and western stations on Saturday, and heavy rain was experienced in the south-east of England.

Temperature was much below the mean for the time of year, the deficit ranging from 4° in the Channel Islands and 5° over Ireland and the extreme north and south of Great Britain to 6° or 7° elsewhere. The highest of the maxima were recorded either on the 24th or 25th, and ranged from 72° in England S. and 70° in England S.W. to 63° in England N.W. During the greater part of the week, however, the daily maxima were extremely low. The minima were very low in all parts of the Kingdom, those recorded during the earlier days of the week at most of the inland stations being some degrees below the freezing point. In Scotland E. the thermometer fell to 24°, in Scotland N. and W. the Midland Counties, and Ireland N. to 26°, in England S.W. to 27°, and in most other districts to 29°. In the Channel Islands the lowest reading was 41°. Thermometers exposed on the grass registered, of course, much lower values, the lowest reported being 19° at Tean (Staffordshire), and 18° at Worksop (Notts).

Rainfall exceeded the mean in England S. and E., but showed a deficit in all other districts. In all the western parts of the Kingdom the fall was very slight.

Bright Sunshine varied greatly in amount on different days, but was, upon the whole, in excess of the mean. The percentage of the possible duration ranged from 53 to 67 in the "Grazing" districts, and from 45 to 55 in the "Wheat producing" districts.

Barometer and Wind.—The distribution of pressure over the western and northern parts of our Islands was mostly anticyclonic, but the winds and weather in all the eastern and south-eastern parts of the Kingdom were influenced at times by depressions moving south-eastwards over the North Sea and Denmark, or by others advancing north-westwards towards our south-eastern coasts from Germany. The winds experienced were mainly Northerly (North-West to North-East) and light or moderate in force, but towards the end of the period they increased considerably in force in the south-east and south, and reached the force of a moderate to fresh gale.

II.—DATA from which the SUMMARY on page 121 has been calculated.

DISTRICTS	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
											Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head . . .	52	33	48.6	37.3	42.6	- 3.5	23	13	5	0.47	+0.07	*	*	*	*
	Stornoway . . .	60	29	52.3	35.1	43.2	- 4.6	37	19	3	0.10	-0.51	57.2	+15.5	48	+12
	Wick . . .	63	28	51.4	37.7	44.1	- 4.0	33	12	4	0.21	-0.17	*	*	*	*
	Laing . . .	61	26	53.4	31.7	42.2	- 0.8	45	20	5	0.21	-0.28	*	*	*	*
	Glencarron . . .	62	29	54.1	33.9	43.4	- 4.8	44	23	4	0.27	-0.82	*	*	*	*
	Fort Augustus . . .	65	27	55.1	33.3	43.6	- 5.6	48	24	4	0.15	-0.30	41.3	?	35	?
1. SCOTLAND, E.	Fort William . . .	61	31	54.4	36.0	44.7	- 5.6	44	17	2	0.08	-0.76	67.5	?	58	?
	Nairn . . .	64	26	55.7	35.6	45.1	- 5.0	49	18	3	0.10	-0.29	*	*	*	*
	Aberdeen . . .	58	32	50.9	35.9	43.0	- 6.4	33	17	4	0.49	+0.06	64.3	+10.2	55	+16
	Braemar . . .	62	24	50.0	30.8	39.8	- 7.3	22	41	4	1.07	+0.57	48.7†	††	42†	††
	Ochertyre . . .	67	29	58.9	34.3	45.9	- 3.6	60	22	1	0.03	-0.53	*	*	*	*
	Leith . . .	61	31	54.4	35.4	44.3	- 6.7	44	13	3	0.07	-0.29	*	*	*	*
2. ENGLAND, N.E.	Marchmont . . .	62	29	53.1	32.9	42.4	- 6.6	41	25	2	0.56	+0.04	67.0	?	58	?
	Alnwick Castle . . .	59	31	49.4	34.4	41.5	- 7.3	21	29	3	0.37	-0.08	*	*	*	*
	Durham . . .	60	29	51.8	31.0	40.8	- 8.8	27	41	4	0.33	-0.12	66.6	+25.8	58	+22
	Shields . . .	57	32	50.1	34.9	42.0	- 7.5	23	20	2	0.34	-0.04	*	*	*	*
	Scarborough . . .	57	35	51.4	39.1	44.9	- 5.5	32	8	4	0.45	-0.03	*	*	*	*
	York . . .	65	29	55.9	33.4	44.0	- 7.7	50	24	4	0.32	-0.12	52.8	+10.8	47	+9
3. ENGLAND, E.	Spurn Head . . .	54	37	50.4	41.4	45.6	- 5.1	28	2	3	0.33	-0.05	*	*	*	*
	Hillington . . .	61	32	54.3	38.5	45.9	- 6.2	42	10	5	0.84	+0.21	57.9	+9.8	52	+10
	Yarmouth . . .	55	38	51.0	42.7	46.6	- 4.4	32	0	6	1.09	+0.69	*	*	*	*
	Geldeston . . .	61	33	53.1	39.2	45.7	- 6.4	38	8	5	1.08	+0.69	49.3	- 3.2	44	- 3
	Cambridge . . .	67	29	58.0	36.6	46.7	- 6.2	56	15	3	0.82	+0.35	59.1	+13.1	53	+12
	Rothamsted . . .	64	31	55.4	37.9	46.1	- 5.7	46	11	3	0.62	+0.15	56.0	?	50	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall) . . .	64	27	56.7	33.0	44.1	- 8.1	13	25	3	0.22	-0.27	*	*	*	*
	Loughborough . . .	68	26	56.6	35.1	45.2	- 7.8	51	19	3	0.26	-0.22	*	*	*	*
	Stamford (Ketton Hall) . . .	69	31	58.4	36.7	46.9	- 6.2	57	15	4	0.31	-0.20	*	*	*	*
	Cheadle . . .	63	32	53.8	35.6	44.2	- 6.0	42	18	2	0.07	-0.47	*	*	*	*
	Churchstoke . . .	65	29	54.7	32.0	42.7	- 7.6	47	28	2	0.20	-0.31	60.6	+17.3	54	+15
	Hereford . . .	67	32	56.3	36.8	46.0	- 6.9	50	15	2	0.36	-0.12	*	*	*	*
5. ENGLAND, S.	Cirencester . . .	65	33	55.7	38.0	46.3	- 5.1	47	11	3	0.17	-0.32	71.2	+25.6	64	+23
	Oxford . . .	68	31	57.4	37.6	46.9	- 6.0	53	12	4	0.15	-0.32	64.4	+19.7	58	+18
	London . . .	69	35	57.9	40.9	48.9	- 5.2	53	3	3	0.41	-0.02	45.5†	+2.0†	41†	+2†
	North Foreland . . .	55	39	52.0	44.0	47.8	- 4.4	41	0	5	1.63	?	*	*	*	*
	Strathfield Turgiss . . .	68	29	59.1	37.7	47.8	- 5.1	59	12	4	0.28	-0.12	*	*	*	*
	Dungeness . . .	63	35	55.4	43.4	49.0	- 4.1	49	0	4	0.70	+0.30	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards) . . .	67	36	55.9	41.2	48.1	- 5.5	46	2	4	0.63	+0.21	47.7	- 7.3	43	- 8
	Southampton . . .	72	34	60.5	39.7	49.5	- 3.5	62	6	3	0.18	-0.30	60.2	+11.3	55	+11
	Hurst Castle . . .	68	36	58.3	42.1	49.7	- 3.8	54	0	3	0.09	-0.31	*	*	*	*
	Stowell . . .	65	32	56.3	38.2	46.7	- 5.4	49	11	3	0.14	?	*	*	*	*
	Laudale (Loch Sunart) . . .	61	31	55.9	35.5	45.1	- 5.6	49	13	0	—	-0.98	*	*	*	*
	Glasgow . . .	62	32	55.6	36.6	45.5	- 5.3	47	15	2	0.09	-0.47	57.3	+21.4	50	+18
7. ENGLAND, N.W.	Ardrossan . . .	61	33	55.4	37.9	46.1	- 4.9	46	11	0	—	-0.54	*	*	*	*
	Glenlee . . .	66	26	56.7	30.3	42.7	- 7.1	54	33	1	0.03	-0.64	*	*	*	*
	Douglas (Isle of Man) . . .	61	31	55.2	35.1	44.6	- 6.1	47	19	1	0.06	-0.43	81.7	+30.5	72	+27
	Stonyhurst . . .	62	30	54.3	35.0	44.1	- 7.3	44	20	2	0.04	-0.58	67.5	+22.7	60	+21
	Blackpool . . .	63	?	55.5	?	?	?	?	?	1	0.02	-0.46	69.3	+23.1	61	+20
	Manchester (Prestwich) . . .	63	29	53.5	37.0	44.8	- 6.4	41	14	1	0.07	-0.52	56.5	?	50	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston) . . .	63	36	54.1	39.0	46.1	- 6.5	41	8	1	0.05	-0.39	*	*	*	*
	Llandudno . . .	59	34	52.2	38.6	45.0	- 7.6	35	10	2	0.19	-0.22	62.1	+18.2	55	+15
	Holyhead . . .	56	37	52.0	41.4	46.4	- 5.5	33	2	2	0.10	-0.32	*	*	*	*
	Llandovery . . .	70	27	60.1	35.7	47.2	- 5.2	63	18	1	0.13	-0.51	*	*	*	*
	Pembroke . . .	61	37	53.0	41.9	47.1	- 4.5	36	0	3	0.03	-0.42	69.5	+20.1	63	+18
	Bristol (Montpelier) . . .	70	33	59.7	39.2	49.8	- 4.1	59	8	3	0.23	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon) . . .	63	34	54.6	37.6	45.6	- 5.1	44	12	2	0.18	-0.50	*	*	*	*
	Cullompton . . .	66	32	57.8	38.8	47.7	- 4.6	53	9	2	0.24	-0.24	69.0	+23.5	63	+22
	Falmouth . . .	64	37	54.4	42.1	47.9	- 4.8	41	0	5	0.19	-0.41	67.7	+17.6	62	+15
	Plymouth . . .	67	36	55.9	41.1	48.1	- 6.5	46	3	3	0.37	-0.08	59.5	+12.1	55	+11
	Prawle Point . . .	66	34	56.9	40.3	48.1	- 3.8	50	5	2	0.25	-0.10	*	*	*	*
	Malin Head . . .	58	36	52.4	41.1	46.4	- 5.5	35	3	1	0.01	?	*	*	*	*
10. IRELAND, S.	Londonderry . . .	69	35	60.1	38.0	45.4	- 3.9	62	11	1	0.02	-0.52	*	*	*	*
	Edenfel (Omagh) . . .	68	29	58.4	33.4	45.2	- 5.4	59	24	1	0.01	-0.53	*	*	*	*
	Belmullet . . .	63	36	54.1	41.4	47.4	- 5.2	40	2	3	0.15	?	*	*	*	*
	Markree Castle . . .	66	29	56.7	34.5	44.7	- 5.5	50	21	1	0.01	-0.44	69.5	+27.3	62	+26
	Brookeborough . . .	66	26	57.6	33.7	44.8	- 5.8	54	23	2	0.18	-0.40	*	*	*	*
	Armagh . . .	62	30	55.7	33.2	43.8	- 7.3	50	25	1	0.02	-0.43	77.1	+34.9	68	+30
CHANNEL ISLANDS	Donaghadee . . .	59	39	55.3	44.7	49.7	- 1.4	54	0	1	0.03	-0.49	*	*	*	*
	Edgeworthstown . . .	67	30	57.6	34.9	45.6	- 5.2	53	20	0	—	-0.60	*	*	*	*
	Dublin . . .	65	33	55.1	38.4	46.3	- 6.4	45	10	0	—	-0.44	79.5	+31.3	71	+27
	Parsonstown . . .	64	30	57.4	35.1	45.6	- 6.4	34	19	0	—	-0.52	69.2	+26.7	62	+25
	Kilkenny . . .	65	31	57.3	36.4	46.2	- 6.1	53	16	0	—	-0.47	*	*	*	*
	Waterford . . .	69	33	59.1	37.1	47.4	- 5.2	58	14	1	0.01	-0.53	*	*	*	*
CHANNEL ISLANDS	Roche's Point . . .	68	38	57.6	43.4	50.1	- 3.2	57	0	0	—	-0.70	*	*	*	*
	Valencia . . .	64	39	56.1	41.9	48.6	- 4.1	47	0	4	0.31	-0.39	60.2	+12.3	54	+10
	Killarney . . .	67	33	58.5	37.9	47.6	- 4.5	56	11	3	0.26	?	*	*	*	*
	Foynes . . .	68	36	59.0	42.5	50.3	- 1.7	58	0	1	0.18	?	*	*	*	*
	Scilly (St. Mary's) . . .	57	42	53.1	45.6	49.1	- 3.9	50	0	3	0.08	-0.30	74.0	?	68	?
	Jersey . . .	64	41	56.4	45.4	50.6	- 3.5	60	0	4	0.34	-0.08	61.1	+5.0	57	+5

Stations marked ‡ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

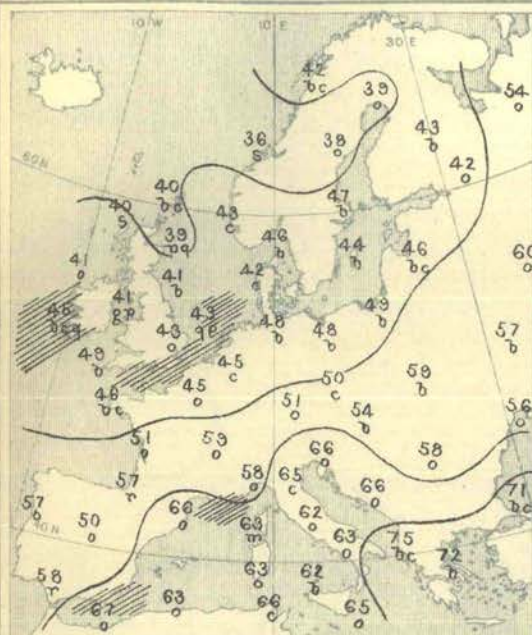
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 20th May.

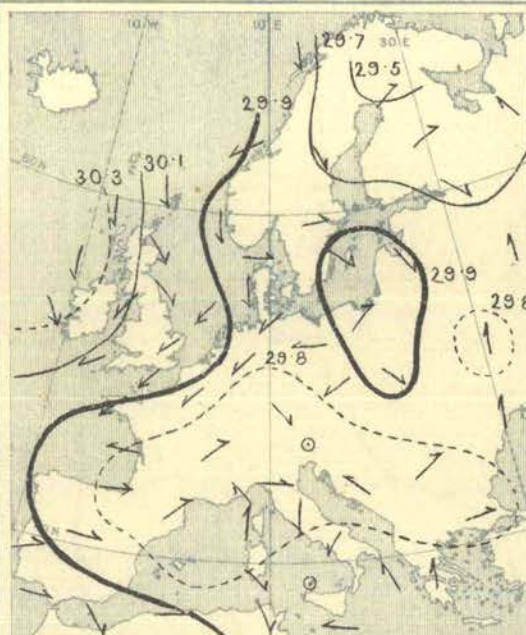
Temperature and Weather.

8 a.m.

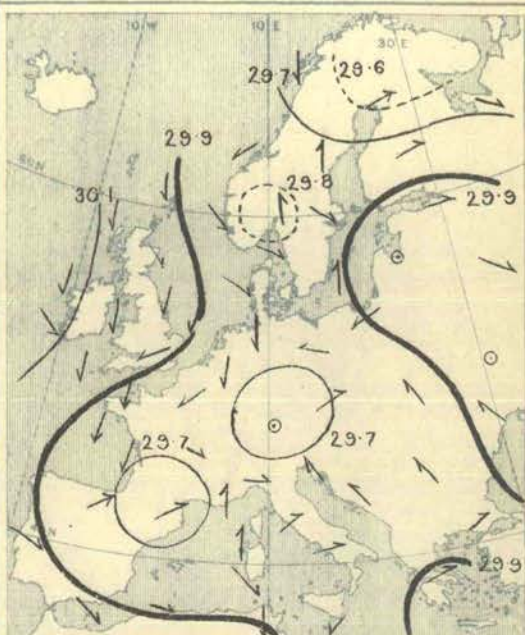


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning changeable and showery over the greater part of the United Kingdom, with snow in the north of Scotland, as well as at some of the Norwegian stations. Fine and bright over Denmark, north Germany, and the Baltic, as well as in the south of Italy; cloudy in most other parts of the Continent, with rain at Biarritz. Snow showers falling later over the northern parts of our Islands generally, and hail in the south. Thunderstorms with heavy falls of rain and hail occurring over the central and southern parts of France and Germany; as much as 4.4 ins. of rain falling at Cape Ferret, near Arcachon.

Temperature fallen generally. Morning readings highest, 75° at Brindisi, 72° at Patras, and 71° at Constantinople; above 60° in many parts of southern Europe, but below it at the Spanish and Portuguese stations. Lowest, 36° at Christiansund, 37° at Faerder, 38° at Hernösand, and 39° at Aberdeen; below 45° in all but the extreme southern parts of the United Kingdom. Daily maxima below 50° in many parts of Great Britain, but thermometer exceeding 60° in Germany, and exceeding 70° in Austria and Italy. Frost occurring at night over the northern and central portions of the United Kingdom; thermometer on grass falling to 19° at Stoke-on-Trent.

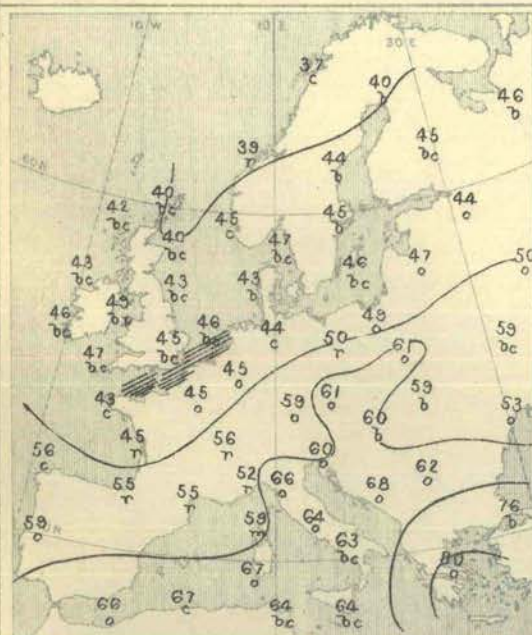
Wind moderate from the Northward or North-Westward over the northern parts of our Islands, as well as in Scandinavia and Denmark; moderate to fresh from the North-Eastward on our southern coasts, and also in the Netherlands and the northern parts of France; light from the same quarter in Germany. Westerly or South-Westerly in Finland; variable over the central and southern parts of Russia, as well as in Austria and Italy. Light from the South-Eastward in the south of France, but Westerly in Spain and Algeria. No important change occurring during day.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying to the west of our Islands, 30.0 ins. and upwards in another system lying to the south of Spain. Lowest, 29.5 ins. and less in a depression over Lapland; 29.3 ins. and less in a large complex system extending eastwards from France and the adjacent parts of the Mediterranean across Switzerland, south Germany, and northern Italy, to Austria, Turkey, and Asia Minor. Small shallow depressions moving southwards across our Islands during day, and barometer falling in all parts of western Europe.

Monday, 21st May.

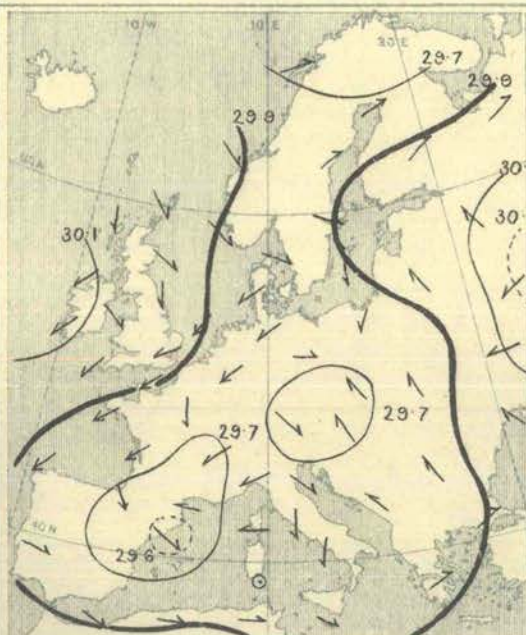
Temperature and Weather.

8 a.m.

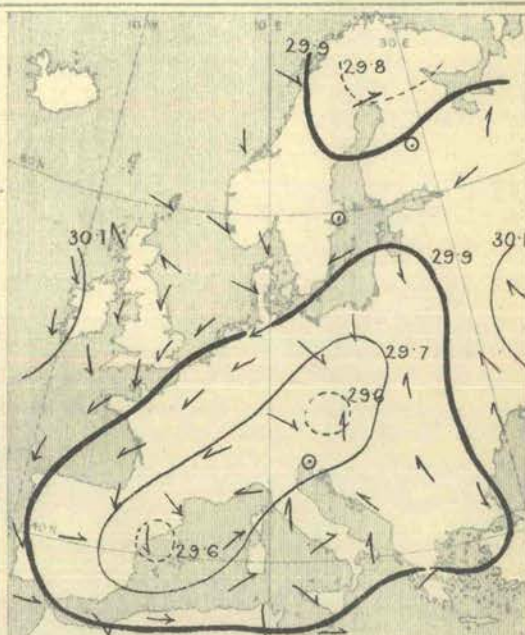


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in many parts of the United Kingdom, but showery in places. Fine in Denmark, Sweden, and northern Russia, and also in the south of Italy; dull in most other parts of the Continent, with rain over the north-east of Spain and the southern parts of France, as well as at Christiansund and Berlin. Showers of sleet, hail, or cold rain falling in our Islands during day, and considerable quantities of rain in the southern parts of France and Germany. Thunderstorms occurring at Jersey and Nice.

Temperature risen at all but the French and western German stations, considerably over Poland and eastern Germany. Morning readings highest, 80° at Patras, 76° at Constantinople, 72° at Athens, and 68° at Lésina; above 60° in most parts of Italy, Poland, and south-eastern Europe. Lowest, 37° at Bodö, 39° at Christiansund, and 40° at Haparanda and Aberdeen; below 45° over the northern parts of our Islands generally. Remaining below 50° all day at several of our western and northern stations, but reaching 55° or more in some parts of the central and southern districts. Exceeding 65° over the southern parts of France and Germany, and exceeding 70° in Italy and Austria. Sharp frost occurring over the northern and inland parts of the United Kingdom at night.

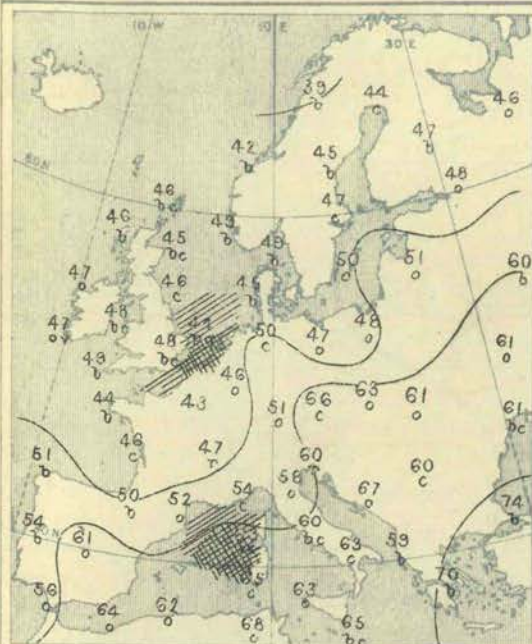
Wind light to moderate from the Northward or North-Westward in the northern parts of our Islands, and also in the west of Norway; moderate to fresh from the North-Eastward over the southern parts of the United Kingdom, as well as over Denmark, north Germany, the Netherlands, and the greater part of France. Westerly or North-Westerly in Spain. Variable in Italy; South-Easterly over Austria and eastern Germany. Moderate from the Westward or South-Westward over the northern parts of Russia and Scandinavia. Subsequently shifting to the South-Eastward at some of the Scotch stations; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in an anticyclone over central Russia; 30.1 ins. and upwards in another system lying to the west of our Islands. Lowest, 29.6 ins. and less in a depression over the north-east of Spain; 29.7 ins. and less in two other systems, one lying over the north of Austria and the adjacent portions of Germany, and the other over the extreme north of Scandinavia. No decided change occurring later.

Tuesday, 22nd May.

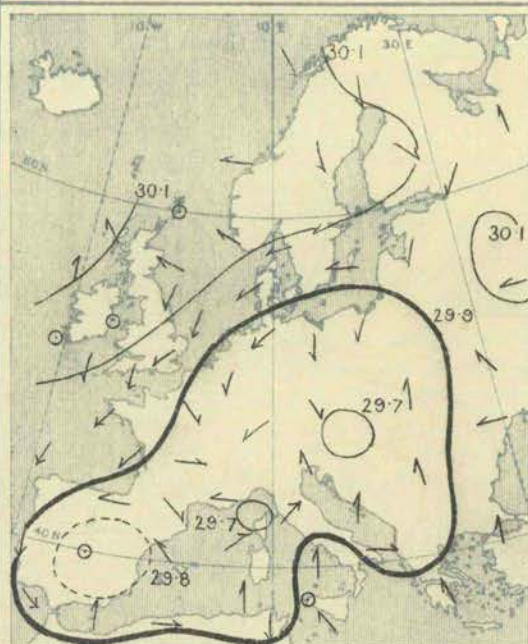
Temperature and Weather.

8 a.m.

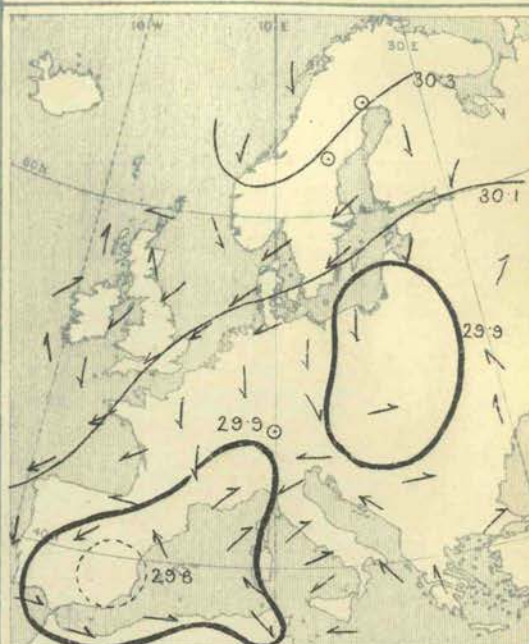


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of the United Kingdom, and also in Scandinavia, Denmark, the west of France, Portugal, and the north-west of Spain. Dull in most other regions, with rain over Holland, the north-east of France, and the extreme south-east of England. Fine in central Italy and Greece. A little rain falling later in the west of Ireland and also over the south-east of England and many parts of central and southern Europe. Thunderstorm occurring at Prawle Point at night.

Temperature risen in all but the central and southern countries. Morning readings highest, 74° at Constantinople, 70° at Patras, and 69° at Stax; above 60° over the Mediterranean and eastern Europe generally, as well as in central Spain. Lowest, (1) 39° at Bodo and 42° at Christiansund; (2) 43° at Nairn; (3) 43° at Cape Gris Nez and Paris; below 50° in all the northern and north-western countries. Rising during day to between 50° and 57° over the greater part of the United Kingdom, but only reaching 45° at Yarmouth. Rising to 60° or more in the southern parts of France and Germany, to 70° or more in Austria and northern Italy, and to 80° or more in the south of Italy.

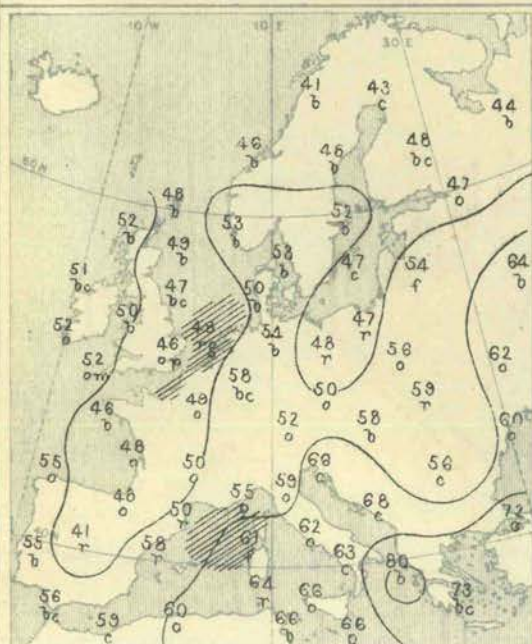
Wind light from the Southward or South-Eastward in the north and north-west of our Islands, and from the Eastward in the south of Scandinavia, North-Easterly over the Baltic, Denmark, Germany, the Netherlands, England, and the western and northern parts of France and Spain; strong in force on the east and south-east coasts of England, as well as in Portugal. Southerly or South-Easterly over Italy and Austria; Easterly in the south of Russia. Southerly breezes setting in later in the south of Ireland, and North-Westerly breezes in the west of Norway; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in an anticyclone extending south-westwards from Scandinavia across the northern and western parts of the United Kingdom to the Atlantic; as well as in a smaller system lying over central Russia. Lowest, 29.8 ins. and less in a shallow complex depression lying over all the more central parts of Europe, and also in another depression over Spain. Anticyclone subsequently increasing both in size and intensity; depression over central Europe gradually filling up.

Wednesday, 23rd May.

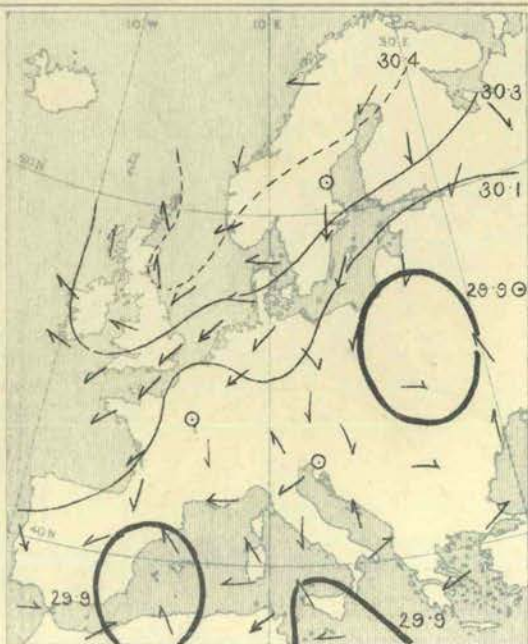
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Scotland and Ireland, as well as in Scandinavia, Denmark, the Netherlands, and many parts of Russia. Cloudy or dull in most other parts of Europe, with rain in the east and south-east of England and also over the Gulf of Finland, the central and north-eastern parts of Spain, and the extreme south of France; slight rain falling during day over the southern parts of England generally, and considerable quantities in the south of France, with a thunderstorm at Lyons, as well as at Moscow. Weather improving in the south-east of England towards evening.

Temperature risen in most places. Morning readings highest, 80° at Brindisi, 73° at Athens, and 72° at Constantinople; above 60° over Italy and Tunis and also over the central and southern parts of Russia. Lowest, (1) 41° at Bodo and 43° at Haparanda; (2) 41° at Madrid; (3) 45° at Loughborough, Oxford, Prawle Point, and Hurst Castle. Daily maxima over our Islands higher than of late; thermometer exceeding 55° in many places, and reaching 61° at Nairn and Belmullet. Exceeding 60° over the southern parts of France and Germany, and exceeding 80° in the south of Italy.

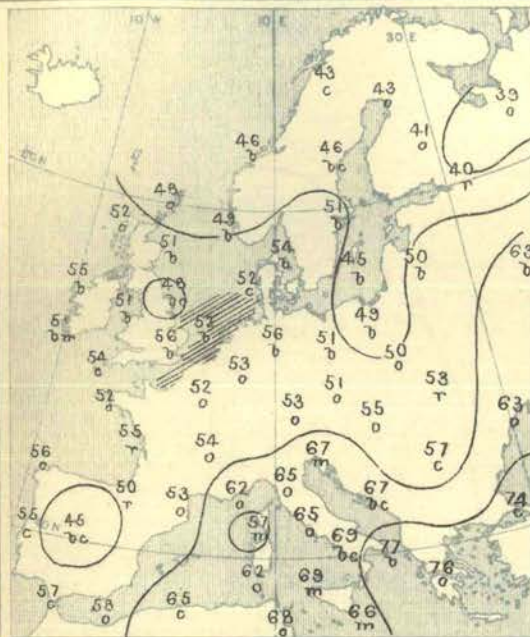
Wind North-Easterly over England, France, Spain, Denmark, the Netherlands, and north Germany, and fresh or strong in force on the east and south-east coasts of England; Easterly in Ireland; Southerly in the north of Scotland. Moderate to strong from the Northward or North-Eastward over Finland and the Baltic; light from the North-Westward over eastern Germany; Southerly or South-Easterly in the south of Russia. Variable in Italy and Algeria. No important change occurring over western Europe during day.

Barometer highest, 30.3 ins. to 30.4 ins. and upwards in a large anticyclone extending south-westwards from Finland and Scandinavia to all the more northern parts of the United Kingdom. Lowest, 29.8 ins. and less in a small depression near Tunis, 29.9 ins. and less in two larger systems, one lying over western Russia, and the other over Algeria, the east of Spain, and the neighbouring parts of the Mediterranean. Very shallow secondary disturbances reported over the north-east of France in morning, but disappearing in course of day; large Continental depressions gradually filling up.

Thursday, 24th May.

Temperature and Weather.

8 a.m.

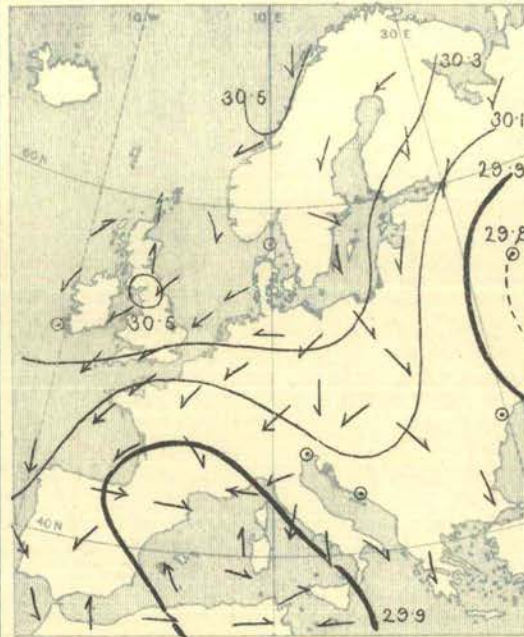


Weather in morning fine over the greater part of the United Kingdom, as well as in Scandinavia, Denmark, Holland, and the northern parts of France and Germany. Fine also over central Russia and the south of Italy. Dull in the north of Scotland and also over northern Russia and the greater part of central and southern Europe; rainy in the south of France and north-east of Spain, as well as at St. Petersburg and Lemberg. Heavy rain falling during day in the south of France and the north of Spain, with a thunderstorm at Lyons; showers experienced at night in the Shetlands and Hebrides.

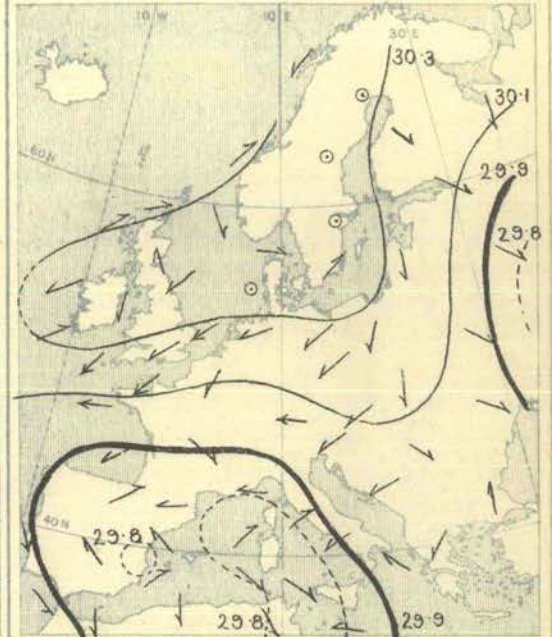
Temperature risen at all but the Swedish, Russian, and Austrian stations. Morning readings highest, 77° at Brindisi, 76° at Athens, 74° at Constantinople, and 69° at Naples; above 50° over Italy, the Mediterranean, and south-eastern Europe generally. Lowest, 39° at Archangel, 40° at St. Petersburg, and 41° at Kuopio; below 50° over Scandinavia and northern Russia generally, as well as over central Spain. Rising during day to between 60° and 65° in many parts of the United Kingdom; exceeding 65° in France, and exceeding 75° in Italy. Frost occurring over central England at night.

Barometer and Wind.

8 a.m.



6 p.m.



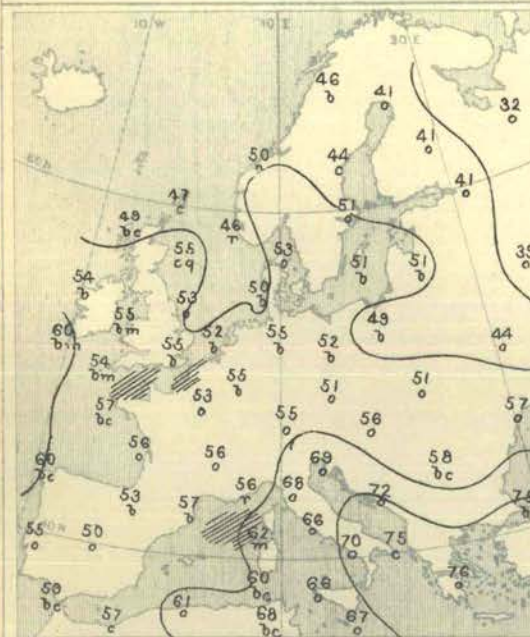
Wind North-Easterly over the greater part of western and central Europe, and fresh or strong in force over the Channel and south-east of England; light from the Southward or South-Westward in the north of Scotland. Northerly over Sweden, Finland, the Baltic, and eastern Germany. North-Westerly in the south of Russia. Chiefly Northerly in Spain and Italy, but variable in Algeria. No important change occurring during day.

Barometer highest, 30.4 ins. to 30.5 ins. in an anticyclone covering the greater part of Scandinavia and the North Sea with all the more northern parts of our islands. Lowest, 29.8 ins. and less in a depression over central Russia; 29.9 ins. and less in a large and complex system extending from the south of France to Sicily and Tunis. General fall taking place over western Europe during day, and new depression beginning to appear off our extreme northern coasts.

Friday, 25th May.

Temperature and Weather.

8 a.m.

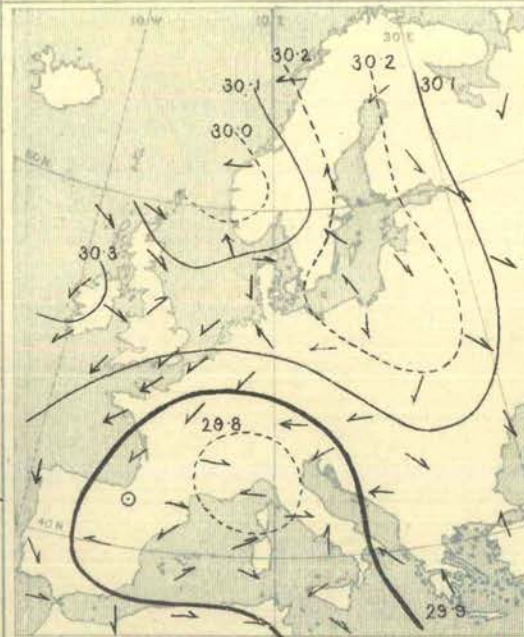


Weather fine over the southern parts of the United Kingdom, as well as in Denmark, Germany, the Netherlands, and the north of France. Cloudy or overcast in most other regions, with rain in the south-east of France and also at Skudesnaes. Rain falling later over the northern parts of Great Britain. Solar halos seen at several of the English stations. Considerable quantities of rain falling in some parts of Austria, and thunderstorms occurring at Chemnitz and Friedrikshaven.

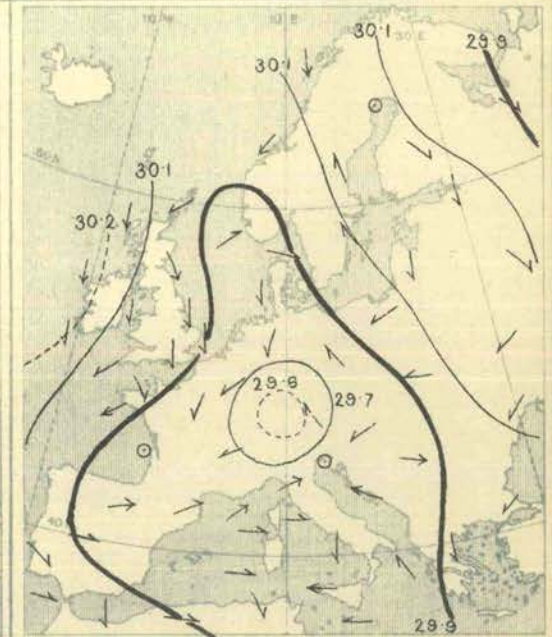
Temperature fallen at most of the Russian and Scandinavian stations; changed little and irregularly elsewhere. Morning readings highest, 76° at Athens, 75° at Brindisi and Constantinople, 72° at Lésina, and 70° at Naples; above 60° over Italy, the Mediterranean, and south-eastern Europe generally. Lowest, 32° at Archangel, 39° at Moscow, and 41° at Haparanda, Uleaborg, Kuopio, and St. Petersburg. Rising during day to between 65° and 69° over the central and southern parts of the United Kingdom; exceeding 65° also at several of the French stations, and reaching 71° at Brussels and 73° at Munich. Exceeding 75° in Italy.

Barometer and Wind.

8 a.m.



6 p.m.



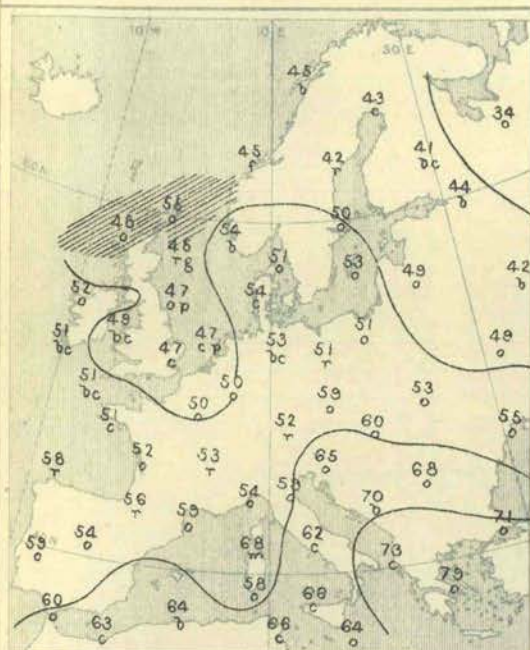
Wind light to moderate from the North-Westward in Scotland, but South-Easterly or Easterly at the Scandinavian stations. Easterly in Germany, North-Easterly over the Netherlands and the greater part of England and France, Northerly or North-Westerly in Spain. Light from the Northward or North-Westward in Russia, variable in Italy. Subsequently increasing to a strong breeze from the Northward on some of the more exposed parts of our northern and north-western coasts; strong Northerly winds setting in also in the west of Norway; no important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards in an anticyclone spreading from the Atlantic over the western and central parts of Ireland; 30.2 ins. and upwards over Sweden, the Baltic, and the neighbouring parts of Russia. Lowest, 29.8 ins. and less in a depression over northern Italy and the south of France, as well as in another disturbance near Malta; 30.0 ins. and less in a shallow system off the west of Norway. Depression over southern Europe apparently moving northwards later to south Germany; Norwegian disturbance travelling south-south-eastwards.

Saturday, 26th May.

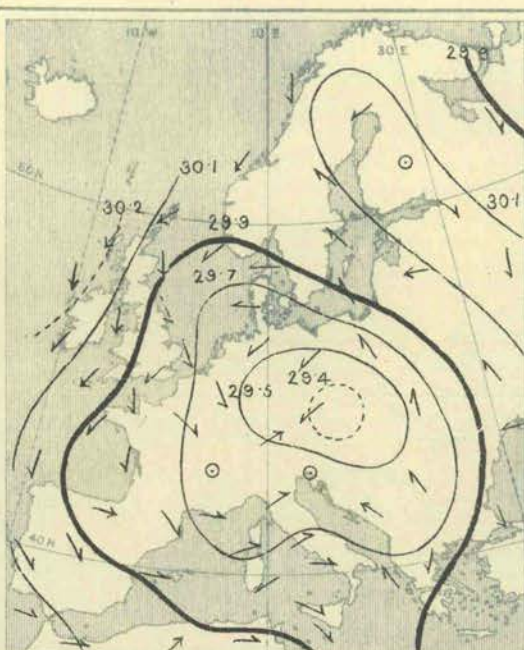
Temperature and Weather.

8 a.m.

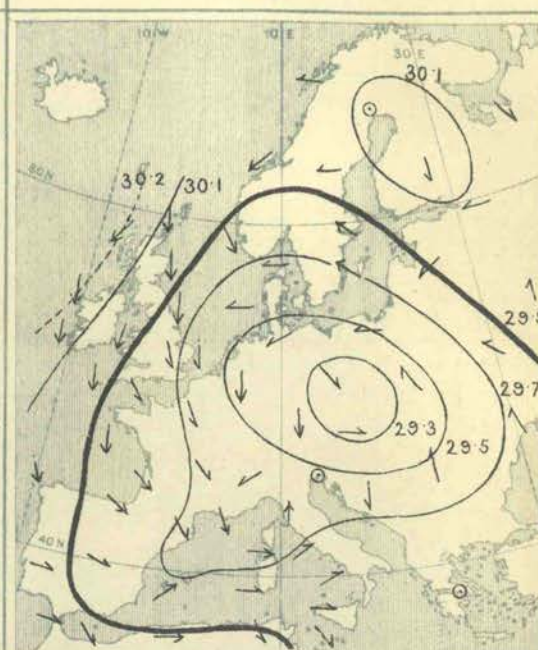


Barometer and Wind.

8 a.m.



6 p.m.



Weather showery over the eastern parts of the United Kingdom, but fine at many of our western stations. Fine in Norway and also over Finland and central Russia; dull and unsettled in most other parts of the Continent, with rain at some of the German stations, as well as at Florence, Biarritz, and Corunna. Showers of rain, hail, or sleet falling during day in nearly all parts of Great Britain, with thunder at some of the English stations, as well as at Brest and La Coubre. Heavy rain falling at night over the Netherlands and the east and south-east of England; considerable quantities measured next morning at many of the Continental stations.

Temperature fallen in most places. Morning readings highest, 79° at Patras, 78° at Brindisi, 72° at Athens, and 71° at Constantinople; above 60° over Italy, the Mediterranean, and south-eastern Europe generally. Lowest, (1) 34° at Archangel, 41° at Kuopio, and 42° at Hernösand and Moscow; (2) 43° at Spurn Head and 44° at York; below 50° in all but the extreme southern parts of Great Britain. Daily maxima below 55° in many parts of the United Kingdom, but thermometer exceeding 60° in France and exceeding 65° over southern Europe generally; reaching 84° at Brindisi.

Wind fresh or strong from the Northward over our Islands, and moderate from the same quarter over the Netherlands and the west and north of France. Westerly or North-Westerly over the Spanish Peninsula, South-Westerly in Italy. Easterly or North-Easterly over Scandinavia, Denmark, and north Germany, but variable in Russia and Austria. Subsequently reaching the force of a moderate gale in squalls in isolated parts of the United Kingdom; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying to the westward of our Islands; 30.1 ins. and upwards in another system extending from central Russia to Lapland. Lowest, 29.4 ins. and less in a well-marked depression having its centre over Bohemia. Depression subsequently increasing in size and depth and moving slowly eastwards, but secondary systems beginning to form over the Netherlands and the southern part of the North Sea. Gradients becoming rather steep over the Baltic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week two high-pressure systems were reported, one over central Russia, and the other to the west of our Islands. In the intervening regions numerous shallow depressions were formed; and, while cold northerly winds were prevalent over the United Kingdom, with showers of snow, hail, or sleet showers, variable breezes were reported in the more central and southern parts of Europe, with heavy falls of rain in France and Germany.

After the 21st a new anticyclone of considerable intensity appeared over Scandinavia and spread gradually south-westward over the whole of north-western Europe, so that a decided improvement in the weather took place over our Islands and their neighbourhood. In the southern countries, however, the conditions remained very unsettled, with frequent heavy rains in the south of France.

On the 25th an important change occurred, for while a shallow depression appeared off the west of Norway and moved southwards, a deeper disturbance advanced from the south-westward across the south-east of France and Switzerland to south Germany and the north of Austria. As a result of these movements strong northerly winds and cold showery weather again set in over the whole of our Islands, and, at the close of the week, when secondary disturbances began to form to the westward of the Austrian depression, a heavy fall of rain occurred over the Netherlands and the south-east of England. Over the eastern parts of Great Britain the Westerly wind on the 26th blew with the force of a moderate to fresh gale.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 122.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	60.0	?	52	?	EASTBOURNE	44.4	?	40	?
OSWALDKIRK (Yorkshire)	46.7	?	41	?	MANCHESTER (Oldham Road) . . .	41.3*	?	37*	?
WORKSOP	49.6	+10.1	44	+8	TENBY	59.4*	?	53*	?
THURCASTON (Leicestershire) . . .	59.9	+19.0	53	+17	NEWQUAY	75.8	?	70	?
MARGATE	42.3	?	38	?	TORQUAY	64.3*	?	59*	?
WESTBOURNE (Sussex)	53.4*	?	49*	?	ARLEY COTTAGE (County Cavan) . .	79.5	?	70	?
BRIGHTON	52.5	?	48	?	GUERNSEY	61.3*	?	57*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, JUNE 2ND, 1894.

[Price 6d.
Annual Subscription,
post paid, £1 10s. 0d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE
UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Remarks in the preceding page.

DISTRICTS. (See p. 123.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	35	53.7	40.0	46.5	3 below.	Day-deg. 40	Day-deg. -12	Day-deg. 6	Day-deg. + 3	Day-deg. 499	Day-deg. +113	Day-deg. 495	Day-deg. - 46
	1. SCOTLAND, EAST	65	31	53.7	39.5	46.2	5 be'ow.	40	-29	7	+ 5	535	+ 13	481	+ 9
	2. ENGLAND, N.E.	63	35	53.4	40.4	46.5	5 below.	38	-27	4	+ 2	571	+ 62	455	- 50
	3. ENGLAND, EAST.	65	33	57.7	40.6	48.6	5 below.	52	-33	4	+ 2	761	+105	471	- 99
	4. MIDLAND COUNTIES.	67	30	57.7	39.2	47.9	6 below.	53	-31	8	+ 7	789	+106	483	- 78
	5. ENGLAND, SOUTH	64	34	57.0	42.9	49.6	5 below.	53	-37	0	0	846	+110	303	-119
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	62	32	56.0	40.7	47.9	4 below.	47	-25	4	+ 3	604	+ 51	345	- 69
	7. ENGLAND, N.W.	63	36	55.8	42.5	48.7	5 below.	47	-30	0	0	711	+133	299	-123
	8. ENGLAND, S.W.	64	32	56.0	42.4	48.8	5 below.	48	-33	0	0	830	+128	236	- 81
	9. IRELAND, NORTH	64	31	55.7	41.3	48.0	5 below.	45	-29	2	+ 1	687	+ 36	334	- 33
	10. IRELAND, SOUTH	64	34	57.5	42.2	49.4	4 below.	52	-29	0	0	878	+103	217	- 67
	-CHANNEL ISLANDS	64	44	56.9	47.8	52.1	3 below.	71	-17	0	0	1023	+199	94	- 18

DISTRICTS. (See p. 123.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 7	10ths of ins. 1 more.	101	- 1	25.0	+ 5.5	48	+18	40	+ 15	534	+ 95	35	+ 8
	1. SCOTLAND, EAST	5	10	5 more.	92	+10	15.3	+ 4.0	36	+ 3	31	+ 2	600	+ 92	37	+ 6
	2. ENGLAND, N.E.	7	16	12 more.	90	+13	9.6	+ 0.1	32	- 9	28	- 9	612	+117	34	+ 8
	3. ENGLAND, EAST.	6	7	3 more.	83	+ 8	9.1	- 0.2	41	- 7	36	- 6	684	+ 74	38	+ 7
	4. MIDLAND COUNTIES.	6	6	1 more.	86	+13	9.6	- 1.0	34	- 9	30	- 7	628	+ 95	35	+ 8
	5. ENGLAND, SOUTH	5	8	4 more.	80	+ 8	10.3	- 0.3	45	- 7	41	- 6	732	+ 95	38	+ 8
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	8	2 more.	101	+13	24.0	+ 4.1	35	- 9	30	- 8	597	+ 44	33	+ 5
	7. ENGLAND, N.W.	6	7	2 more.	94	+14	14.6	+ 2.5	40	+ 1	34	+ 1	574	+ 81	34	+ 6
	8. ENGLAND, S.W.	6	8	3 more.	92	+10	15.8	+ 0.2	50	+ 2	45	+ 2	758	+ 95	40	+ 7
	9. IRELAND, NORTH	5	6	0 (average)	106	+14	18.1	+ 4.7	41	- 1	36	0	575	+ 40	32	+ 4
	10. IRELAND, SOUTH	4	6	0 (average)	101	+14	18.6	+ 2.8	46	0	41	0	636	+ 8	35	+ 6
	-CHANNEL ISLANDS	7	6	2 more.	95	+ 6	13.2	+ 0.3	57	-10	52	- 9	812	+ 50	44	+ 7

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was very unsettled in all parts of the Kingdom, with occasional thunderstorms and frequent and rather heavy falls of rain. Some fine, bright intervals, however, were experienced generally, especially in the extreme north, south-west, and south.

Temperature was again below the mean, the deficit ranging from 3° in Scotland N. and the Channel Islands, to 5° in most other districts, and to 6° in the Midland Counties. The highest of the maxima were recorded on June 1st, and ranged from 67° in the Midland Counties to 62° in Scotland W. The lowest of the minima occurred during the earlier part of the period, when they ranged from 30° in the Midland Counties, and 31° in Scotland E. and Ireland N., to 36° in England N.W., and to 44° in the Channel Islands.

Rainfall just equalled the mean in Ireland, but was in excess over England and Scotland; in Scotland E. and England S. the fall was twice as much as the normal, and in England N.E. four times as much.

Bright Sunshine showed a very general decrease on that recorded during the preceding week, and was below the normal, except at some of the extreme northern and western stations. The percentage of the possible duration ranged from 52 in the Channel Islands and 45 in England S.W., to 30 in the Midland Counties and Scotland W., and 28 in England N.E.

Barometer and Wind.—Soon after the commencement of the period a shallow depression was developed over the central parts of England, and travelled very slowly northwards, the system remaining in our neighbourhood until very nearly the close of the week. It caused the wind (which was at first fresh from the Northward) to shift to the Westward in the south, and to the Eastward in the north. By the end of the period a rather deeper depression had reached Ireland from the South-Westward, and was causing the wind over England to increase somewhat in force.

DISTRICTS	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head . . .	55	37	51.9	41.6	46.4	- 0.8	32	1	5	0.64	+0.22	*	*	*
	Stornoway . . .	56	35	52.1	39.7	45.5	- 3.5	34	6	3	0.20	-0.44	60.4	+18.9	50
	Wick . . .	58	37	53.4	40.4	46.5	- 2.9	33	4	4	0.80	+0.42	*	*	*
	Lairg . . .	59	35	53.4	38.7	45.8	- 4.7	39	9	5	0.53	+0.03	*	*	*
	Glencarron . . .	61	36	55.4	39.4	46.9	- 2.5	45	7	5	1.22	+0.08	*	*	*
	Fort Augustus . . .	61	36	53.3	40.2	46.4	- 4.3	38	5	4	0.93	+0.48	23.8	?	28
1. SCOTLAND, E.	Fort William . . .	63	37	56.7	40.2	48.0	- 3.5	50	5	3	0.55	-0.33	49.2	?	41
	Nairn . . .	57	35	53.4	38.9	45.7	- 5.8	39	9	4	1.12	+0.72	*	*	*
	Aberdeen . . .	55	37	52.0	40.1	45.7	- 5.0	34	5	4	0.80	+0.38	49.2	+ 3.1	41
	Braemar . . .	57	31	51.5	35.8	43.2	- 5.4	34	17	6	1.06	+0.55	29.7	?	25
	Ochertyre . . .	65	35	58.1	39.7	48.4	- 2.9	54	6	5	0.66	+0.09	*	*	*
	Leith . . .	59	38	55.0	41.0	47.8	- 5.0	43	3	6	0.76	+0.41	*	*	*
2. ENGLAND, N.E.	Marchmont . . .	58	38	52.3	41.3	46.5	- 4.2	34	2	6	1.33	+0.80	32.5	?	28
	Alnwick Castle . . .	55	39	50.7	41.1	45.6	- 4.8	29	3	7	1.29	+0.89	*	*	*
	Durham . . .	61	35	53.4	37.6	45.1	- 6.3	40	12	7	2.06	+1.62	22.8	-16.8	21
	Shields . . .	58	37	53.4	40.4	46.5	- 4.4	38	4	6	1.27	+0.89	*	*	*
	Scarborough . . .	60	37	53.5	41.3	47.0	- 4.7	38	2	7	1.68	+1.20	*	*	*
	York . . .	63	35	56.1	39.3	47.2	- 5.0	48	8	7	1.84	+1.37	40.2	- 0.9	35
3. ENGLAND, E.	Spurn Head . . .	56	39	53.3	42.9	47.8	- 4.7	41	0	6	1.54	+1.16	*	*	*
	Hillington . . .	65	33	59.3	40.7	49.4	- 4.0	57	4	7	0.51	+0.06	47.5	- 0.3	42
	Yarmouth . . .	62	35	54.3	41.7	47.5	- 5.0	40	1	7	0.48	+0.08	*	*	*
	Geldeston . . .	64	33	57.8	39.9	48.3	- 5.1	53	6	6	1.07	+0.67	35.3	-17.2	31
	Cambridge . . .	65	37	60.1	40.4	49.7	- 4.7	61	4	5	0.89	+0.39	42.9	- 3.3	38
	Rothamsted . . .	62	34	56.9	40.1	48.0	- 5.4	50	5	6	0.73	+0.27	36.2	?	32
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall) . . .	67	31	58.7	40.4	49.0	- 4.7	16	4	5	0.72	+0.22	*	*	*
	Loughborough . . .	65	30	59.1	38.6	48.2	- 6.3	58	10	7	0.47	-0.02	*	*	*
	Stamford (Ketton Hall) . . .	64	32	59.4	38.9	48.5	- 6.1	59	9	7	0.55	+0.07	*	*	*
	Cheadle . . .	61	34	54.3	39.2	46.3	- 5.1	42	8	7	0.63	+0.02	*	*	*
	Churchstoke . . .	61	34	54.3	39.2	46.3	- 5.1	42	8	7	0.63	+0.02	*	*	*
	Hereford . . .	62	34	58.4	39.1	48.2	- 6.2	56	8	4	0.91	+0.42	*	*	*
5. ENGLAND, S.	Cirencester . . .	61	32	56.7	37.3	46.4	- 6.5	51	13	6	0.45	-0.05	34.9	-10.9	31
	Oxford . . .	63	37	57.6	40.9	48.8	- 5.6	52	3	5	0.63	+0.14	35.5	- 9.5	31
	London . . .	64	38	58.9	42.4	50.2	- 5.2	57	0	4	0.99	+0.52	32.6	-10.9	29
	North Foreland . . .	61	40	56.0	43.6	49.4	- 4.2	52	0	4	1.55	?	*	*	*
	Strathfield Turgiss . . .	63	34	58.4	42.2	49.9	- 4.5	55	0	7	0.80	+0.40	*	*	*
	Dungeness . . .	60	37	56.1	44.4	49.9	- 4.7	55	0	6	0.37	-0.03	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards) . . .	59	40	55.9	42.9	49.0	- 5.9	49	0	6	0.67	+0.25	55.5	+ 0.4	50
	Southampton . . .	61	39	58.3	42.7	50.3	- 5.2	58	0	5	0.78	+0.30	38.7	-10.6	35
	Hurst Castle . . .	60	41	57.1	44.6	50.5	- 4.2	60	0	4	0.41	+0.01	*	*	*
	Stowell . . .	61	36	55.0	40.5	47.3	- 6.2	43	4	7	1.13	?	*	*	*
	Laudale (Loch Sunart) . . .	62	40	53.0	41.6	49.3	- 2.5	53	1	3	0.27	-0.74	*	*	*
	Glasgow . . .	62	38	55.0	41.3	48.2	- 4.1	46	2	4	0.45	-0.10	35.9	- 0.4	30
7. ENGLAND, N.W.	Ardrrossan . . .	61	40	56.4	41.7	48.6	- 3.8	47	1	2	0.22	-0.34	*	*	*
	Glenlee . . .	58	32	55.0	37.7	45.8	- 5.6	45	12	7	0.98	+0.30	*	*	*
	Douglas (Isle of Man) . . .	58	37	54.7	41.1	47.5	- 4.4	42	3	7	2.12	+1.62	34.1	-17.3	30
	Stonyhurst . . .	62	37	55.2	40.8	47.5	- 5.3	44	3	6	0.95	+0.28	48.1	+ 3.1	42
	Blackpool . . .	61	39	57.3	41.3	48.8	- 4.0	51	2	4	0.49	-0.04	41.6	- 4.5	36
	Manchester (Prestwich) . . .	63	36	55.5	40.0	47.1	- 5.3	44	6	6	0.66	+0.04	31.3	?	27
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston) . . .	63	43	56.4	44.1	49.9	- 4.1	55	0	5	0.84	+0.42	*	*	*
	Llandudno . . .	62	42	55.2	44.1	49.3	- 4.6	51	0	6	0.35	-0.05	48.6	+ 4.8	43
	Holyhead . . .	59	42	55.1	44.7	49.6	- 3.8	52	0	7	0.88	+0.44	*	*	*
	Llandovery . . .	61	32	57.9	38.4	47.6	- 6.3	54	10	7	1.02	+0.37	*	*	*
	Pembroke . . .	55	40	53.0	44.0	48.2	- 4.5	43	0	6	0.21	-0.24	55.2	+ 3.4	49
	Bristol (Montpelier) . . .	65	40	59.1	45.2	50.7	- 3.7	61	0	4	0.56	?	*	*	*
9. IRELAND, N.	Arlington (N. Devon) . . .	57	37	54.0	41.0	47.1	- 5.1	40	3	6	1.37	+0.67	*	*	*
	Cullompton . . .	64	33	57.6	39.9	48.2	- 5.3	52	6	7	0.67	+0.38	36.5	- 9.2	33
	Falmouth . . .	61	43	55.9	44.9	50.1	- 4.0	57	0	7	0.71	+0.12	65.9	+14.6	59
	Plymouth . . .	59	39	55.3	44.5	49.6	- 6.5	53	0	7	0.85	+0.41	46.0	- 1.8	41
	Prawle Point . . .	57	41	55.0	43.1	48.7	- 4.4	47	0	7	1.03	+0.69	*	*	*
	Malin Head . . .	56	43	52.4	44.1	48.0	- 5.1	42	0	4	0.18	?	*	*	*
10. IRELAND, S.	Londonderry . . .	62	40	58.6	41.7	49.6	- 3.8	54	1	7	0.89	+0.34	*	*	*
	Edenfel (Omagh) . . .	61	35	54.9	37.4	45.6	- 6.4	45	13	7	0.89	+0.33	*	*	*
	Belmullet . . .	61	41	55.1	44.6	49.5	- 4.0	53	0	5	0.32	?	*	*	*
	Markree Castle . . .	64	31	56.6	38.6	47.1	- 4.4	50	10	6	0.53	+0.02	50.3	+ 9.3	44
	Brookeborough . . .	63	36	55.9	39.6	47.3	- 4.8	47	7	6	0.77	+0.17	*	*	*
	Armagh . . .	59	37	55.1	39.9	47.0	- 5.4	44	6	4	0.89	+0.44	31.4	-10.6	27
CHANNEL ISLANDS.	Donaghadee . . .	57	45	55.9	46.0	50.7	- 1.8	61	0	4	0.30	-0.20	*	*	*
	Edgeworthstown . . .	62	35	56.5	39.5	47.5	- 4.8	49	7	3	0.22	-0.43	*	*	*
	Dublin . . .	61	40	56.5	42.8	49.4	- 4.6	52	0	4	0.73	+0.30	43.1	- 4.4	38
	Parsonstown . . .	63	36	57.4	39.4	47.9	- 5.5	52	7	3	0.83	+0.30	33.2	- 4.0	34
	Kilkenny . . .	64	34	58.0	40.4	48.6	- 4.9	53	4	5	0.52	+0.02	*	*	*
	Waterford . . .	63	35	59.4	39.9	49.1	- 4.9	59	6	4	0.85	+0.30	*	*	*
CHANNEL ISLANDS.	Roche's Point . . .	62	42	57.9	44.1	50.6	- 3.9	60	0	2	0.30	-0.40	*	*	*
	Valencia . . .	61	41	55.7	45.1	50.1	- 3.7	57	0	4	0.27	-0.43	57.6	+ 9.7	51
	Killarney . . .	62	34	57.2	40.0	48.1	- 5.1	51	6	6	0.53	?	*	*	*
	Foynes . . .	63	42	57.3	45.7	51.2	- 2.2	64	0	2	0.56	?	*	*	*
	Scilly (St. Mary's) . . .	60	45	55.9	48.1	51.8	- 2.4	60	0	7	0.51	+0.13	67.3	?	61
	Jersey . . .	64	44	57.9	47.4	52.3	- 3.0	72	0	7	0.67	+0.25	45.8	-10.6	42

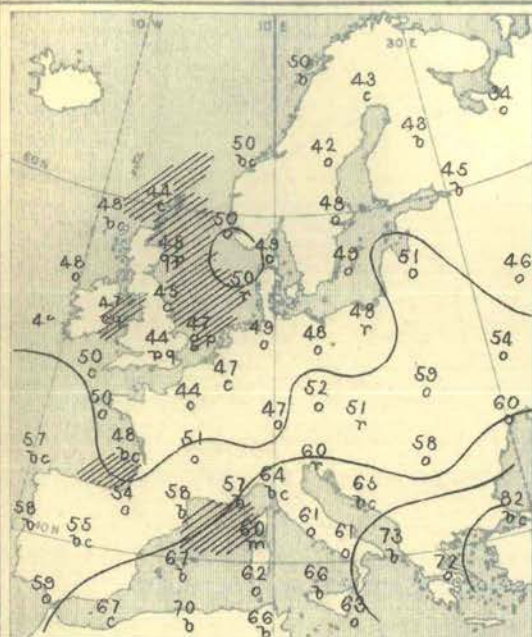
Stations marked $\mathfrak{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathfrak{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

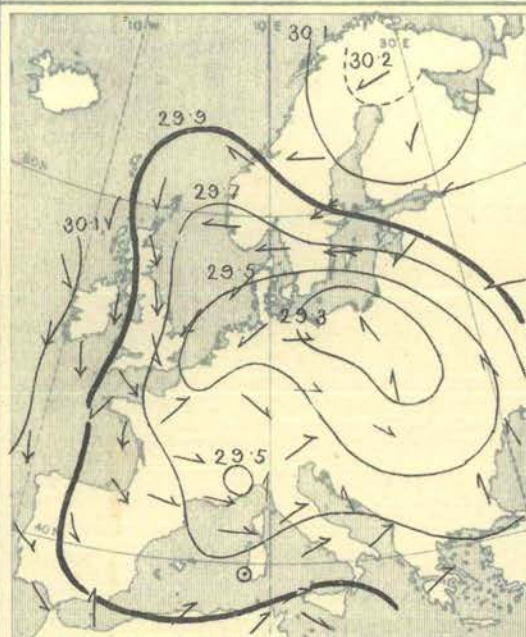
† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Temperature and Weather.

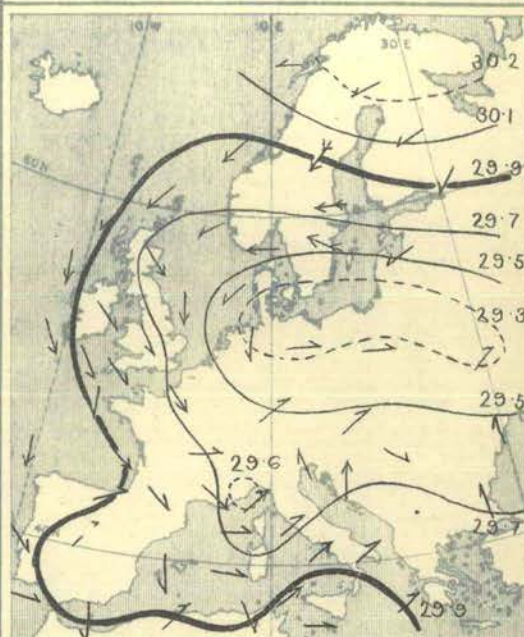
8 a.m.



8 a.m.



6 p.m.

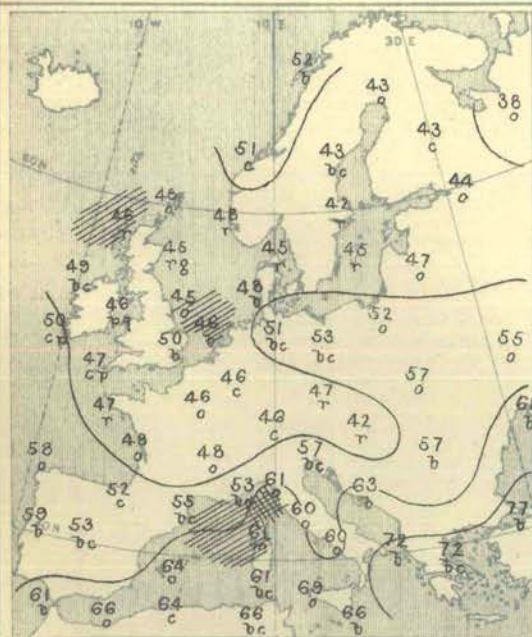


Wind Easterly over northern Europe, strong to a strong gale at many of the more northern of the Baltic stations, Northerly over the United Kingdom, fresh in many places, and very strong and squally on our north-east and east coasts, Northerly, moderate, over the Bay of Biscay, North-Westerly over Spain, but South-Westerly over Italy, South-Easterly over Russia and Poland. Moderating greatly in our Islands later, but still blowing very hard from East over the Baltic.

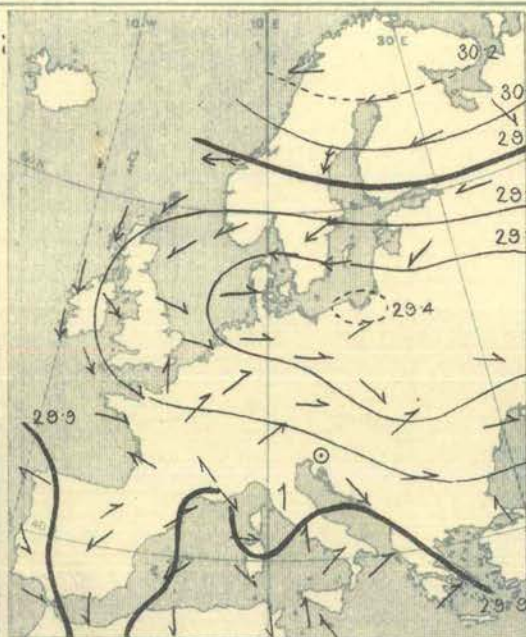
Barometer highest, (1) 30·2 ins. and more to 30·0 ins. over northern Europe generally; (2) exceeding 30·0 ins. over Ireland and the north-west of Spain, and evidently higher still over adjacent parts of the Atlantic. Lowest, below 29·6 ins. over the whole of central Europe, and below 29·3 ins. in a minimum over the north and east of Germany, and about 29·5 ins. in two others, one over Normandy, the other over the Riviera. Varying a good deal over the east of our Islands and the North Sea later.

Temperature and Weather.

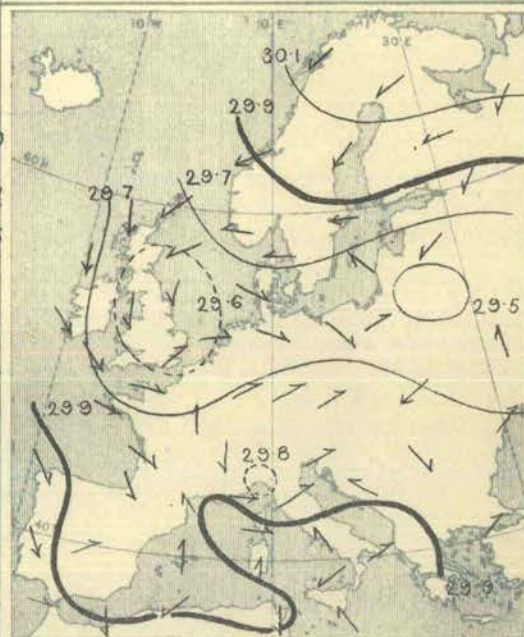
8 a.m.



8 a.m.



6 p.m.



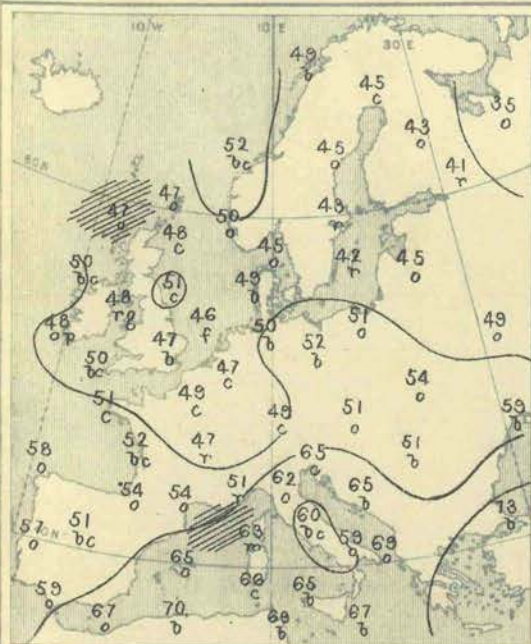
Wind North-Easterly and Easterly over all the northern countries, and blowing a gale on several of the Baltic coasts, North-Easterly over Scotland, Northerly to North-Westerly over Ireland and the Irish Sea, and strong in several places. Westerly to South-Westerly over France, Germany, and central Europe generally, very variable and light over the Mediterranean, but South-Westerly and strong in north of Italy. Moderating over our Islands later, falling light over England, and gale over Baltic subsiding.

Barometer highest, (1) 30.2 ins. and more to 29.9 ins. over the most northern parts of Europe; (2) exceeding 29.9 ins. over the southern half of the Mediterranean and off the Portuguese coast. Lowest, below 29.5 ins. over Denmark, the southern half of the Baltic, north Germany, and western and central Russia, below 29.4 ins. at Memel. Rising, however, over central and southern Europe, and rise subsequently spreading both westwards and northwards. A new depression being developed over the British Islands, while that over the north-east of Germany became more clearly defined.

Tuesday, 29th May.

Temperature and Weather.

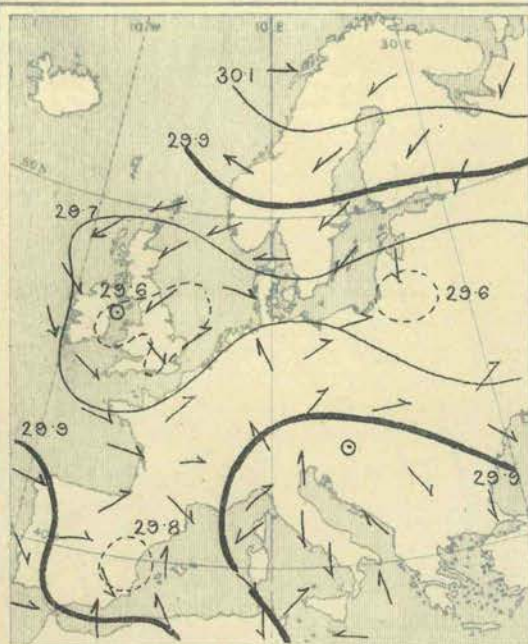
8 a.m.



Weather in morning fine and bright over south-eastern Europe, Sicily, Malta, and at several stations in Algeria and the Iberian Peninsula; temporarily fine over the south-east of England also; but, as a whole, very unsettled and changeable over the north-western, western, and central countries. Rain later in nearly all parts of the British Islands, France, and north-western Germany; thunderstorms very prevalent over the south-east of England, and in certain localities in the north of France and Austria. Fall of rain very heavy at Marseilles. Temperature not changing decidedly in our Islands, fallen over south-eastern Europe. Morning readings highest, 73° at Constantinople, and exceeding 60° at most of the Mediterranean stations. Lowest, (1) 35° at Archangel, 41° at St. Petersburg, 43° at Kuopio; (2) 38° at Loughborough, 42° at Spurn Head, 44° at York. Rising later to 70° and more over Algeria and Italy, to between 60° and 68° over France, but not touching 60° at any of our stations, and failing to reach 50° over Denmark.

Barometer and Wind.

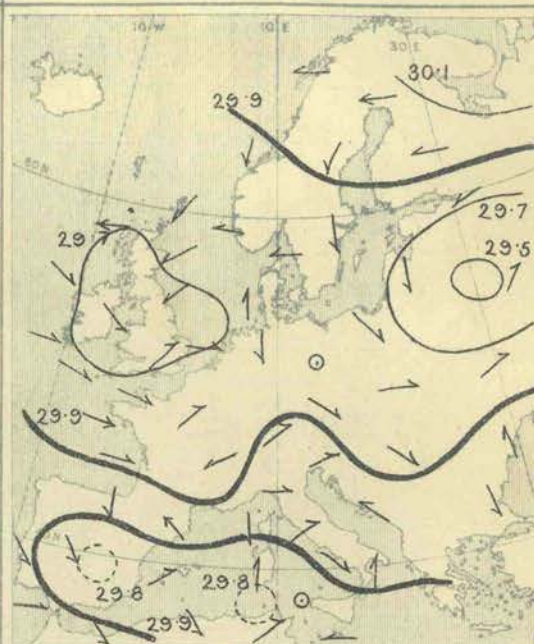
8 a.m.



Wind North-Easterly in direction and moderate in force over the northern countries of Europe, North-Easterly to Northerly in Scotland and Ireland, Westerly over the Channel, South-Westerly over the northern parts of France and Germany. Northerly over Portugal—very variable indeed elsewhere. No decided change later, but the Northerly wind in Portugal spreading eastwards to Madrid.

Barometer highest, (1) 30.1 ins. and more to 29.9 ins. over northern Europe; (2) 30.0 ins. and more to 29.9 ins. over the whole of south-eastern Europe, and exceeding 29.9 ins. in Portugal. Lowest, 29.6 ins. and less (1) in a complex depression lying over England and Wales, (2) in another over the Baltic Provinces, and (3) below 29.8 ins. in a third near Barcelona. Large and complex (but shallow) depression covering the Mediterranean later, no great change elsewhere.

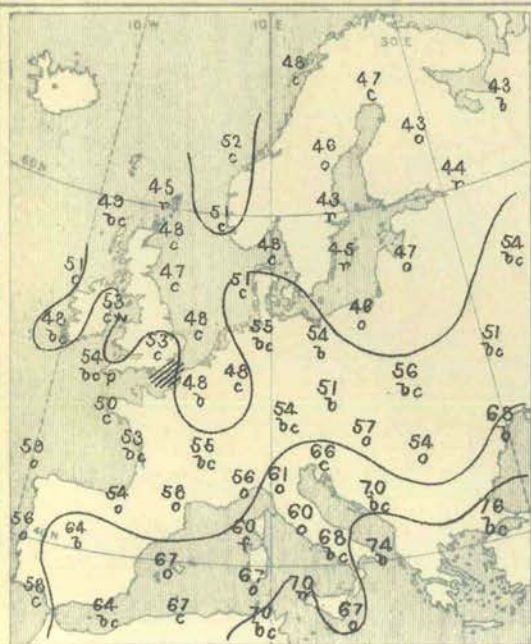
6 p.m.



Wednesday, 30th May.

Temperature and Weather.

8 a.m.

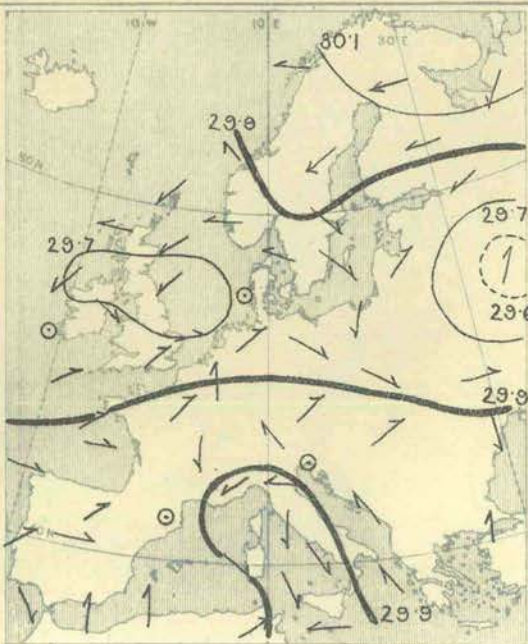


Weather in morning fair over the extreme northern, eastern, and south-eastern countries, cloudy, very changeable and unsettled elsewhere, with showers in many places. Thunderstorms, rain, and hail occurring later very generally over the British Islands, local rain showers in many parts of Continental Europe, but frequent intervals of bright sunshine in our Islands.

Temperature in morning exceeding 70° Fahr. over south-eastern Europe only; exceeding 60° at most of the Mediterranean stations, and exceeding 50° on the French and many parts of the British and Norwegian coasts. Lowest, (1) 43° at Archangel, Kuopio, and Hangö, 44° at St. Petersburg and also at Loughborough (Leicestershire). Rising later to 70° and more over Italy, Algeria, and at Perpignan, and to 60° or more in many parts of France, the south-east of England, and Denmark; not touching 60° at our more northern and western stations. Night again cold inland.

Barometer and Wind.

8 a.m.



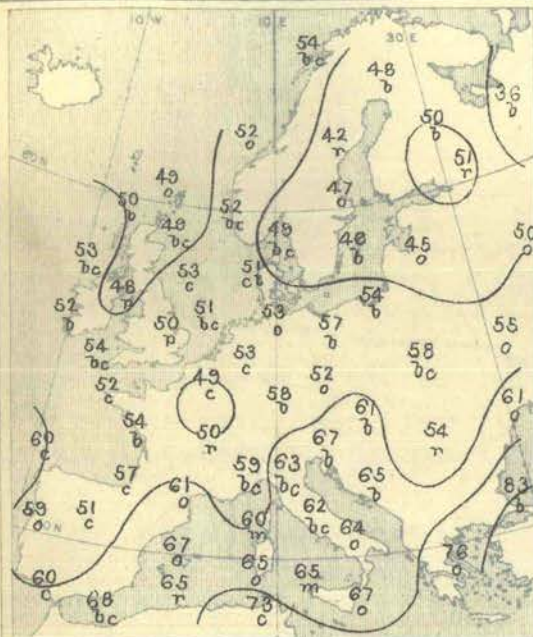
Wind Easterly at all the northern stations, and blowing strongly over the Gulf of Bothnia; Westerly and South-Westerly over England, France, central and south-eastern Europe; very variable over Ireland and also over Spain and the Mediterranean. No decided change later, but a large whirlwind seen moving from the north-westward near the Scilly Islands in evening.

Barometer highest, (1) 30.1 ins. and more to 29.9 ins. over the more northern countries; (2) exceeding 30.0 ins. over the south-west of Spain and also over south-eastern Europe. Lowest, 29.7 ins. and less to 29.8 ins. in a complex depression covering the British Islands, North Sea, and below 29.9 ins. in others lying (1) over central Russia, (2) over the Mediterranean, Italy, and Sicily. No decided change later beyond the appearance of other (shallow) systems over south-eastern Europe and the north-east of Spain.

Thursday, 31st May.

Temperature and Weather.

8 a.m.

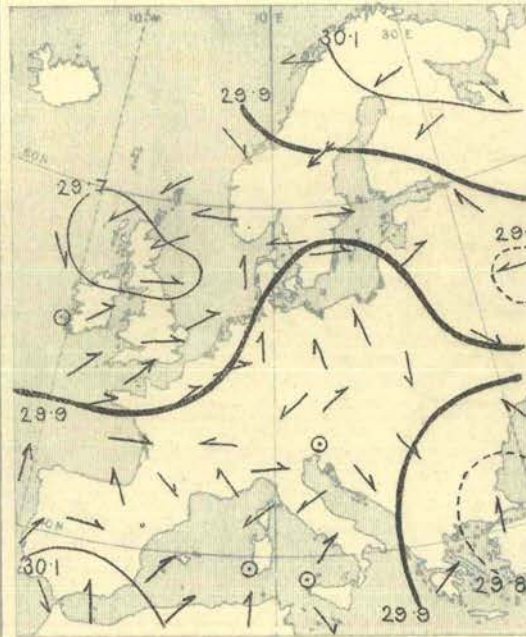


Weather in morning fine and bright in Ireland, Scotland, and many parts of Scandinavia, and temporarily fair at most of the English and French stations, but very changeable and unsettled as a whole, with local showers both on the Continent and the southern and western coasts of England and Wales. Thunderstorms later in most parts of England and France, with considerable falls of rain in a few localities, as well as over northern Europe. Sky clearing over England at night.

Temperature highest, 83° at Constantinople, and exceeding 70° at the stations in south-eastern Europe and at La Calle. Exceeding 50° over Europe as a whole. Lowest, 36° at Archangel, 42° at Helsingfors, 44° at Hango, 47° at Leith and Münster. Rising later to 60° and more at some of our inland stations and over France, 70° and more over Italy and Algeria, and to 90° at Laghouat.

Barometer and Wind.

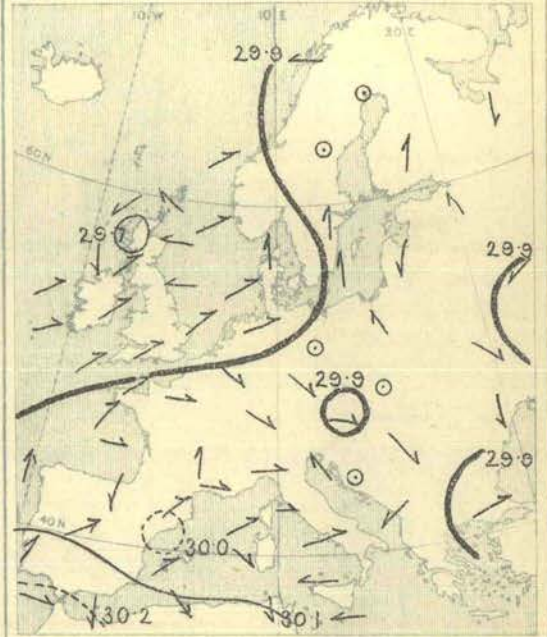
8 a.m.



Wind still Easterly over northern Europe and the northern parts of Scotland, but Southerly to Westerly over England, the Channel, and west and north of France, Southerly in Portugal; very variable elsewhere and light in most places. No decided change later, but temporary variations in many localities.

Barometer highest, (1) 30.1 ins. and more to 29.9 ins. both over northern and the extreme south-western parts of Europe. Lowest, 29.7 ins. and less in a depression of irregular form lying over the northern half of the British Isles, and in another over Turkey in Europe and Asia Minor; below 29.8 ins. in a third over central Russia. British disturbance moving further to the north-eastward later, but appearance far from being settled.

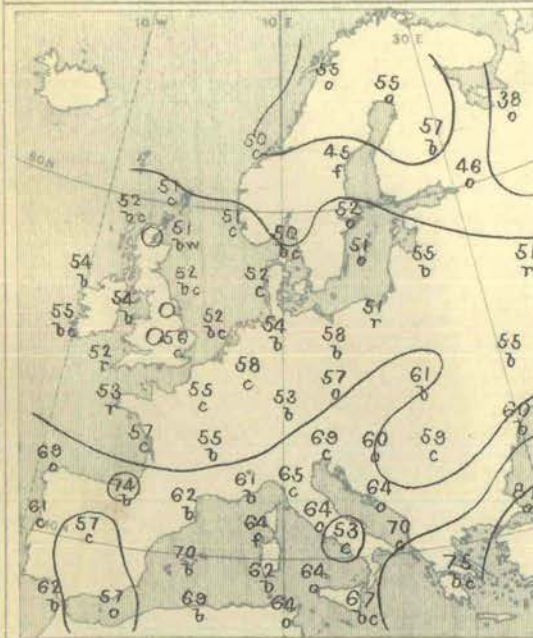
8 p.m.



Friday, 1st June.

Temperature and Weather.

8 a.m.

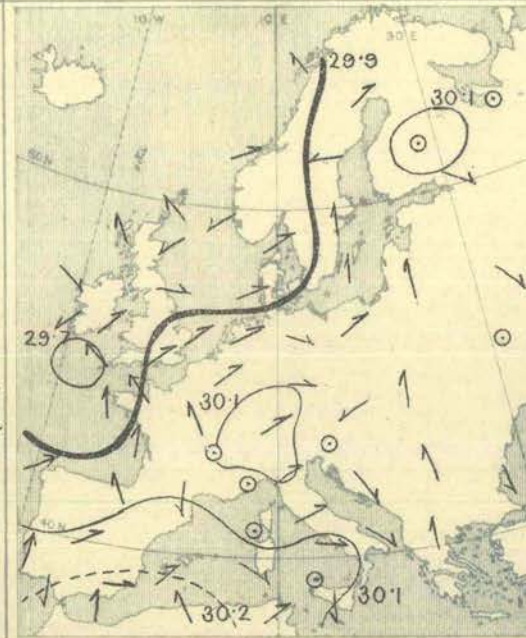


Weather in morning fine over the greater part of south-eastern Europe, as well as on the southern and western shores of the Mediterranean; temporarily clear in many parts of the British Islands, France, and Germany also; foggy over the Gulfs of Bothnia and Finland, and in a changeable unsettled condition generally. Rain falling later at almost all stations in France, England, and Ireland, and in various parts of Germany and northern Europe. Thunder occurring at Oxford, in the east of Scotland, and north-east of France.

Temperature rising over England, France, and Sweden. Morning readings highest, 81° at Constantinople, 70° and more on the coasts of south-eastern Europe and at La Calle, and between 70° and 60° at the Mediterranean stations and on the Spanish coasts. Decidedly lower elsewhere; lowest, 38° at Archangel, 41° at Hango, 49° at Nairn, York, and Oxford. Rising later to between 60° and 65° over the greater part of England, to 70° at Berlin and Nice, to upwards of 70° over Italy and many parts of France, and to 79° at Biarritz. Succeeding night very mild over England.

Barometer and Wind.

8 a.m.



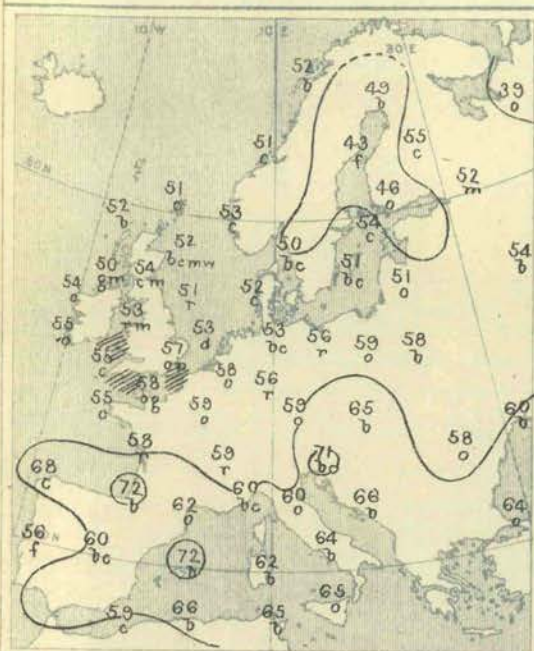
Wind (1) South-Westerly on the coast of Portugal, Southerly in the west of France, South-Easterly on the south-west coasts of England, as well as in the north of Ireland and west of Scotland, very variable in direction and light in force elsewhere. Veering Southwards at the mouth of the Channel later, and backing to South-East over England.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. over Algeria, the Mediterranean, the greater part of France and Germany; (2) 30.1 ins. and more to 30.0 ins. over Finland, with northern and western Russia. Lowest, 29.7 ins. and less in a depression near the Scilly Islands, and below 29.8 ins. in another off the west of Scotland; other very shallow systems found over the North Sea and off the north-west of Norway. The depression off our south-west coasts moving north-eastwards later, and barometer falling over Great Britain generally.

Saturday, 2nd June.

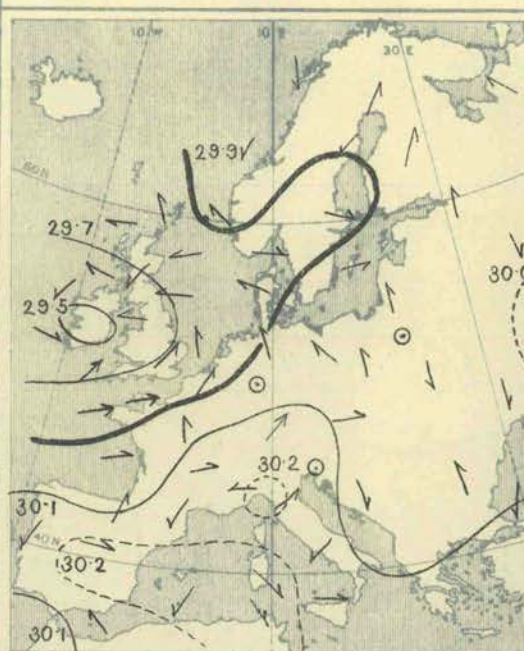
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over Norway and the northern parts of our Islands, also over south-eastern Europe and the greater part of the Mediterranean; cloudy or overcast elsewhere, very unsettled over Ireland, England, France, and Spain, with rain at many stations. Rain falling very generally later over Ireland, England, Germany, and the north of France, heavily in several localities, and thunderstorms occurring in some parts of north Germany.

Temperature less low over the western and northern countries than of late, but less high in the south and south-east. Morning readings now exceeding 70° at Palma, Barcelona, and Biarritz only; exceeding 60°, however, over south-western and southern Europe generally, and as high as 50° at Paris. Lowest, 39° at Archangel, 43° at Helsingfors, 46° at Hangö, 50° at Malin Head. Exceeding 60° over Ireland and England later, and touching 70° at Berlin, 74° at Paris, 77° at Perpignan, 79° at Palermo, 81° at Lisbon, and 82° at Madrid.

Wind light and variable over by far the greater part of Continental Europe; South-Westerly, moderate to strong, over the Bay of Biscay, the northern parts of France, and greater part of the English Channel. Southerly over the east of England, Easterly in the north-west and north, and very light Easterly in Scotland. Becoming strong from South-West and West over the east of England later, but moderating in the Channel. Freshening a little from West on the Italian (western) coast.

Barometer highest, 30.2 ins. and more to 30.0 ins. over the Mediterranean and southern Europe, and exceeding 30.0 ins. over central Europe, and central and northern Russia. Lowest, 29.5 ins. and less in a well-marked depression lying over the British Islands, with its centre near Kilkenny. Latter system moving north-eastwards rather quickly later, and growing shallower, but a new one being developed over Germany.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The weather experienced during this period has been changeable and showery over the greater part of Europe, but more particularly over the British Isles and the western and central countries. As a whole, pressure has been highest over the most northern countries, but low over the British Islands and central countries. In these latter regions a number of depressions have appeared, some being developed immediately over the regions named, and moving in very various directions, others advancing from the south-westward and westward and crossing the United Kingdom, with the result that the amounts of cloud and rainfall at stations in their neighbourhood have been large, thunderstorms frequent, and temperature low, especially in the west.

At the close of the week there was no decided indication of improvement.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 128.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	33.3	?	28	?	EASTBOURNE	53.8	?	49	?
OSWALDKIRK (Yorkshire)	32.2	?	28	?	MANCHESTER (Oldham Road)	27.8*	?	24*	?
WORKSOP	26.2	-12.8	23	-12	TENBY	47.4*	?	42*	?
THURCASTON (Leicestershire)	37.2	-3.6	33	-1	NEWQUAY	60.0	?	54	?
MARGATE	39.3	?	35	?	TORQUAY	37.8*	?	34*	?
WESTBOURNE (Sussex)	47.0*	?	42*	?	ARLEY COTTAGE (County Cavan)	42.5	?	37	?
BRIGHTON	48.7	?	44	?	GUERNSEY	56.9*	?	52*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 23.]
Third Series.

WEEK ENDING SATURDAY, JUNE 9TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 134.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	29	58.1	42.8	49.9	1 below.	Day-deg. 55	- 2	Day-deg. 0	- 2	Day-deg. 554	+111	Day-deg. 495	- 48
	1. SCOTLAND, EAST	67	31	56.5	42.7	49.2	3 below.	50	-24	0	- 1	585	- 11	581	+ 8
	2. ENGLAND, N.E.	62	37	54.8	45.3	50.0	3 below.	56	-21	0	- 1	627	+ 41	455	- 51
	3. ENGLAND, EAST.	67	40	60.3	48.6	54.0	1 below.	84	- 7	0	- 1	845	+ 98	471	-100
	4. MIDLAND COUNTIES.	67	39	60.5	48.0	53.8	1 below.	83	- 7	0	- 1	872	+ 99	483	- 79
	5. ENGLAND, SOUTH	69	44	61.8	50.3	55.7	0 (average)	96	- 1	0	0	942	+109	303	-119
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	64	39	58.1	46.1	51.7	2 below.	68	-10	0	0	672	+ 41	345	- 69
	7. ENGLAND, N.W.	65	38	58.7	48.0	53.0	2 below.	77	- 7	0	0	788	+126	298*	-124
	8. ENGLAND, S.W.	69	40	59.8	49.9	54.5	1 below.	88	0	0	0	918	+123	236	- 81
	9. IRELAND, NORTH	66	36	58.9	46.3	52.2	2 below.	71	-10	0	0	753	+ 26	334	- 33
	10. IRELAND, SOUTH	68	37	61.4	49.0	54.8	0 (average)	90	+ 2	0	0	963	+105	217	- 67
	-CHANNEL ISLANDS	68	50	61.1	53.2	56.9	1 above.	104	+ 9	0	0	1127	+208	94	- 18

DISTRICTS. (See p. 134.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	2	10ths of in. 5 less.	103	- 4	Ins. 25.2	+ 5.0	53	+42†	43	+ 34†	587	+137	37	+ 9
	1. SCOTLAND, EAST	4	7	2 more.	96	+11	16.5	+ 4.2	27	- 8	22	- 6	627	+ 84	37	+ 6
	2. ENGLAND, N.E.	5	15	11 more.	95	+15	11.1	+ 1.2	14	-23	12	- 21	626	+ 93	33	+ 6
	3. ENGLAND, EAST.	5	11	6 more.	88	+10	10.2	+ 0.5	13	-34	11	- 29	697	+ 39	36	+ 4
	4. MIDLAND COUNTIES.	5	13	7 more.	91	+15	10.9	- 0.3	12	-31	11	- 25	640	+ 65	33	+ 5
	5. ENGLAND, SOUTH	5	10	6 more.	85	+ 9	11.3	+ 0.3	22	-28	19	- 25	754	+ 67	37	+ 6
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	10	3 more.	105	+14	25.0	+ 4.4	22	-22	19	- 19	619	+ 21	32	+ 4
	7. ENGLAND, N.W.	6	10	5 more.	101	+17	15.6	+ 2.9	22	-18	19	- 15	596	+ 63	33	+ 5
	8. ENGLAND, S.W.	5	12	7 more.	97	+11	17.0	+ 0.9	23	-28	21	- 25	781	+ 67	29	+ 6
	9. IRELAND, NORTH	4	8	2 more.	110	+14	18.9	+ 4.9	23	-16	19	- 14	598	+ 24	31	+ 3
	10. IRELAND, SOUTH	5	9	4 more.	106	+15	19.5	+ 3.2	32	-13	28	- 11	668	- 6	34	0
	-CHANNEL ISLANDS	4	7	3 more.	99	+ 6	13.9	+ 0.6	37	-16	34	- 14	849	+ 35	44	+ 4

† Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was again very unseasonable in almost all parts of the Kingdom. Much cloud prevailed and heavy rains were experienced in all localities, except the extreme north of Scotland, the falls exceeding an inch at some of the western stations on the 4th. Thunderstorms occurred in many parts of England on the 3rd or 4th, and again in some places towards the end of the week.

Temperature was slightly above the mean in the Channel Islands, and just equalled it in England S. and Ireland S., but in all other districts it continued low and the deficit ranged from 1° to 3°. The highest of the maxima were registered either at the beginning or end of the period, and ranged from 69° in England S. and S.W. to 62° in England N.E. The lowest of the minima were recorded, as a rule, either at the beginning or during the middle part of the week; they ranged from 29° in Scotland N. and 31° in Scotland E., to 44° in England S., and to 50° in the Channel Islands. Taken as a whole the minimum readings were much higher in all districts than those of recent weeks.

Rainfall was considerably less than the mean in Scotland N., but in all other parts of the Kingdom there was an excess, that in most districts being large. The heaviest daily fall was that registered at Donaghadee at 8 a.m. on the 4th, when the large amount of 2.26 ins. was measured.

Bright Sunshine was very greatly in excess of the mean in Scotland N., but in all other districts there was a large deficit. The percentage of the possible duration ranged from 43 in Scotland N., to 34 in the Channel Islands, to 12 in England N.E., and to 11 in the Midland Counties and England E. The lowest percentages recorded were 9 at Rothamsted, Worksop, and in London, and 7 at Oswaldkirk (Yorkshire).

Barometer and Wind.—During nearly the whole of the period two high-pressure areas existed, one to the northward and the other to the southward of our Islands. Under these conditions numerous depressions appeared in various parts of the Kingdom, mostly approaching from the South-Westward or Westward. The wind was generally moderate or light in force and somewhat variable in direction, but was mainly from a Northerly point.

II.—DATA from which the SUMMARY on page 133 has been calculated.

DISTRICTS	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	55	41	52.9	43.4	47.8	- 0.6	41	0	4	0.26	- 0.10	*	*	*	*
	Stornoway	59	44	55.7	46.6	50.8	+ 0.6	62	0	0	—	- 0.65	53.7	+41.9	68	+34
	Wick	60	36	47.0	41.6	48.8	- 1.8	49	1	1	0.04	- 0.36	*	*	*	*
	Laing	60	29	59.3	40.1	49.0	- 2.4	57	5	4	0.12	- 0.41	*	*	*	*
	Glencarron	65	36	62.0	41.2	50.9	+ 0.4	66	2	3	0.35	- 0.83	*	*	*	*
	Fort Augustus	61	35	58.4	42.1	49.7	- 2.7	54	0	3	0.12	- 0.36	732.6	?	727	?
1. SCOTLAND, E.	Fort William	66	59	61.2	44.8	52.4	- 0.3	73	0	2	0.20	- 0.70	42.3	?	35	?
	Nairn	61	33	58.7	41.9	49.7	- 3.4	54	0	2	0.10	- 0.30	*	*	*	*
	Aberdeen	58	41	54.9	45.1	49.7	- 2.6	54	0	6	0.27	- 0.13	38.8	- 7.7	32	- 6
	Braemar	60	31	54.7	38.6	46.1	- 4.2	43	10	4	0.88	+0.36	23.1†	?	14†	?
	Ochertyre	65	36	59.4	42.3	50.3	- 2.4	58	0	5	0.98	+0.40	*	*	*	*
	Leith	67	39	57.9	45.3	51.2	- 2.6	64	0	6	1.07	+0.72	*	*	*	*
2. ENGLAND, N.E.	Marchmont	60	40	53.6	43.0	47.9	- 4.2	41	0	2	0.83	+0.29	24.0	?	20	?
	Alnwick Castle	59	40	53.1	44.9	48.7	- 3.0	47	0	5	0.66	+0.27	*	*	*	*
	Durham	62	37	54.8	43.4	48.7	- 4.7	47	0	6	1.90	+1.46	18.2	-21.4	15	-18
	Shields	58	42	54.9	46.3	50.3	- 2.2	58	0	5	1.30	+0.92	*	*	*	*
	Scarborough	58	41	55.0	45.3	49.8	- 3.6	55	0	4	1.82	+1.35	*	*	*	*
	York	62	40	57.6	46.7	51.8	- 2.8	69	0	5	1.75	+1.26	14.9	-25.4	13	-23
3. ENGLAND, E.	Spurn Head	55	46	53.8	48.1	50.5	- 3.4	60	0	4	1.71	+1.33	*	*	*	*
	Hillington	65	42	60.2	48.1	53.7	- 1.5	82	0	5	1.58	+1.10	11.3	-35.5	10	-30
	Yarmouth	62	44	58.0	49.4	53.4	- 0.6	80	0	5	0.83	+0.43	*	*	*	*
	Geldeston	64	40	60.6	48.5	54.1	- 0.5	85	0	5	0.97	+0.59	18.4	-33.2	16	-28
	Cambridge	67	45	62.6	48.4	55.0	- 0.9	91	0	6	0.90	+0.40	11.6	-34.4	10	-30
	Rothamsted	64	45	60.3	48.6	54.0	- 0.8	84	0	6	1.09	+0.61	10.5	?	9	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	63	42	58.3	47.6	52.6	- 2.6	74	0	4	1.62	+1.12	*	*	*	*
	Loughborough	66	42	61.1	47.4	53.8	- 2.4	83	0	5	0.91	+0.41	*	*	*	*
	Stamford (Ketton Hall)	65	43	61.4	48.0	54.2	- 2.0	86	0	5	1.11	+0.66	*	*	*	*
	Cheadle	63	39	58.8	46.9	52.4	- 0.5	73	0	5	1.58	+0.94	*	*	*	*
	Churchstoke	65	39	60.4	47.7	53.6	+ 0.2	81	0	5	0.80	+0.30	12.6	-29.9	11	-22
	Hereford	67	44	63.5	48.7	55.6	- 0.3	95	0	5	1.27	+0.77	*	*	*	*
5. ENGLAND, S.	Cirencester	64	44	60.1	48.0	53.6	- 0.7	81	0	5	1.03	+0.50	13.6	-31.6	12	-27
	Oxford	65	45	60.6	49.6	54.7	- 1.0	89	0	5	1.68	+1.18	11.0	-33.9	10	-29
	London	68	45	63.6	49.9	56.3	- 0.8	100	0	4	1.13	+0.64	9.9†	-32.9†	9†	-29†
	North Foreland	69	47	61.6	50.1	55.5	+ 1.7	95	0	5	1.03	?	*	*	*	*
	Strathfield Turgiss	68	44	62.3	48.1	54.7	- 1.2	89	0	5	1.28	+0.86	*	*	*	*
	Dungeness	64	46	60.4	51.7	55.8	- 0.1	97	0	3	0.85	+0.46	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	66	47	61.1	50.9	55.6	- 0.4	95	0	6	0.82	+0.41	32.8	-21.9	29	-19
	Southampton	65	47	62.7	51.3	56.2	- 0.3	102	0	4	1.05	+0.57	18.9	-30.0	17	-26
	Hurst Castle	65	47	63.0	51.1	56.6	+ 0.4	102	0	4	0.78	+0.38	*	*	*	*
	Stowell	65	45	60.9	49.3	54.3	- 0.9	86	0	6	1.38	?	*	*	*	*
	Laudale (Loch Sunart)	64	41	61.1	45.9	53.0	- 0.1	77	0	1	0.68	- 0.97	*	*	*	*
	Glasgow	61	39	56.8	45.6	50.8	- 2.6	62	0	4	0.85	+0.27	16.4	-20.5	14	-17
7. ENGLAND, N.W.	Ardrossan	60	44	57.0	47.3	51.3	- 1.9	69	0	5	0.70	+0.13	*	*	*	*
	Glenlee	64	40	58.4	45.3	51.5	- 1.2	67	0	6	1.31	+0.61	*	*	*	*
	Douglas (Isle of Man)	62	40	57.2	46.4	51.4	- 1.3	65	0	5	2.08	+1.58	27.0	-24.3	23	-21
	Stonyhurst	60	39	56.7	46.4	51.2	- 3.1	64	0	6	1.10	+0.40	25.9	-18.9	22	-16
	Blackpool	61	38	59.2	47.3	52.8	- 1.4	76	0	6	0.93	+0.43	26.2	-16.5	22	-17
	Manchester (Prestwich)	60	38	57.6	46.8	51.8	- 2.6	69	0	5	1.55	+0.90	17.0	?	15	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	63	44	60.0	49.7	54.5	- 1.0	88	0	5	0.92	+0.52	*	*	*	*
	Llandudno	62	42	59.2	48.6	53.5	- 1.9	81	0	6	0.85	+0.45	28.2	-14.9	25	-13
	Holyhead	65	46	59.7	49.1	54.0	- 0.7	84	0	5	0.55	+0.11	*	*	*	*
	Llandovery	65	40	62.6	48.6	55.1	- 0.5	92	0	4	1.09	+0.43	*	*	*	*
	Pembroke	58	46	55.9	49.7	52.4	- 1.5	74	0	5	1.21	+0.76	17.1	-36.7	15	-32
	Bristol (Montpellier)	67	46	62.1	51.1	56.2	+ 0.4	99	0	5	1.30	?	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	65	45	59.4	49.0	53.8	+ 0.4	83	0	5	1.04	+0.32	*	*	*	*
	Cullompton	69	45	62.8	50.4	56.2	+ 1.1	99	0	4	1.10	+0.60	22.0	-24.4	19	-22
	Falmouth	64	48	60.4	50.9	55.3	+ 0.1	93	0	5	1.18	+0.89	29.0	-23.0	26	-21
	Plymouth	61	47	58.5	50.4	54.2	- 3.3	85	0	7	1.27	+0.83	18.6	-29.2	17	-25
	Prawle Point	64	46	56.4	49.0	52.4	- 1.9	73	0	4	1.21	+0.87	*	*	*	*
	Malin Head	58	47	55.1	48.7	51.7	- 2.5	68	0	3	0.25	?	*	*	*	*
10. IRELAND, S.	Londonderry	65	41	61.4	47.0	53.7	- 0.8	82	0	5	0.51	- 0.06	*	*	*	*
	Edenfel (Omagh)	62	39	58.9	44.4	51.2	- 2.3	64	0	4	0.65	+0.07	*	*	*	*
	Behnullet	64	44	58.3	48.0	52.8	- 1.4	76	0	3	0.12	?	*	*	*	*
	Markree Castle	66	35	60.7	45.8	52.7	- 0.0	75	0	4	0.50	- 0.09	26.1	-13.2	22	-11
	Brookeborough	64	38	59.0	44.6	51.7	- 1.8	68	0	3	0.49	- 0.14	*	*	*	*
	Armagh	64	37	58.7	45.3	51.5	- 2.1	67	0	4	1.27	+0.80	22.5	-18.8	19	-17
CHANNEL ISLANDS.	Donaghadee	62	45	55.9	48.3	51.8	- 1.8	69	0	6	3.04	+2.55	*	*	*	*
	Edgeworthstown	65	36	61.7	45.0	52.7	- 0.3	75	0	4	0.27	- 0.43	*	*	*	*
	Dublin	63	43	59.8	48.6	53.8	- 1.7	83	0	6	0.57	+0.15	29.5	-16.5	26	-14
	Parsonstown	65	37	61.7	47.4	54.1	- 0.4	85	0	3	0.67	+0.13	18.3	-23.5	16	-20
	Kilkenny	66	41	61.4	48.1	54.3	- 0.6	86	0	5	0.88	+0.37	*	*	*	*
	Waterford	67	40	62.1	47.6	54.4	- 1.0	87	0	5	1.39	+0.34	*	*	*	*
CHANNEL ISLANDS.	Roche's Point	66	45	61.9	50.1	55.0	- 0.1	95	0	4	1.43	+0.73	*	*	*	*
	Valencia	63	43	59.9	50.3	54.3	- 0.2	90	0	5	0.54	- 0.17	47.0	- 0.4	41	- 1
	Killarney	68	44	62.6	47.5	54.5	+ 0.2	88	0	4	0.84	?	*	*	*	*
	Foynes	66	48	61.5	52.2	56.5	+ 2.0	102	0	4	1.01	?	*	*	*	*
	Scilly (St. Mary's)	62	50	59.1	52.3	55.6	- 0.6	95	0	3	0.52	+0.14	24.7	?	22	?
	Jersey	68	51	63.1	53.7	58.1	+ 1.6	113	0	5	0.34	+0.52	40.2	-15.3	36	-14

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

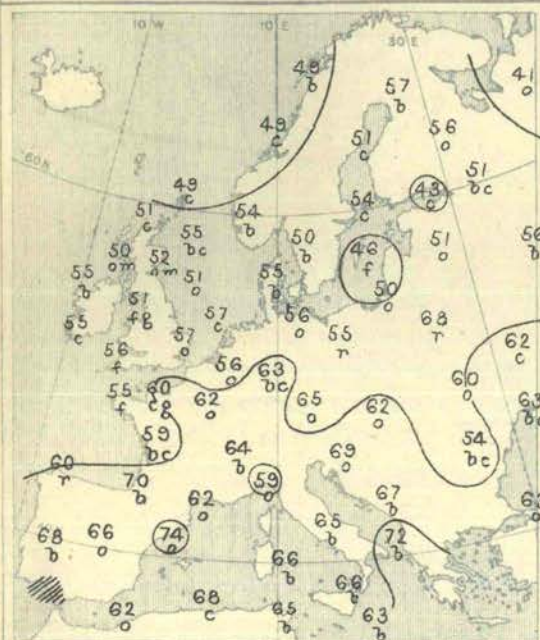
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Records are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 3rd June.

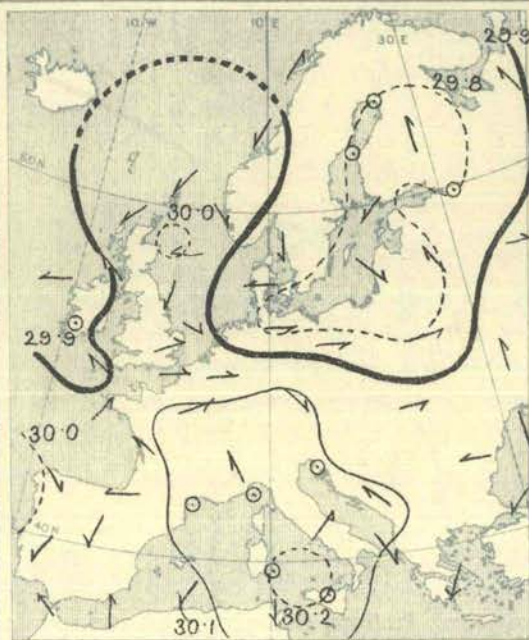
Temperature and Weather.

8 a.m.

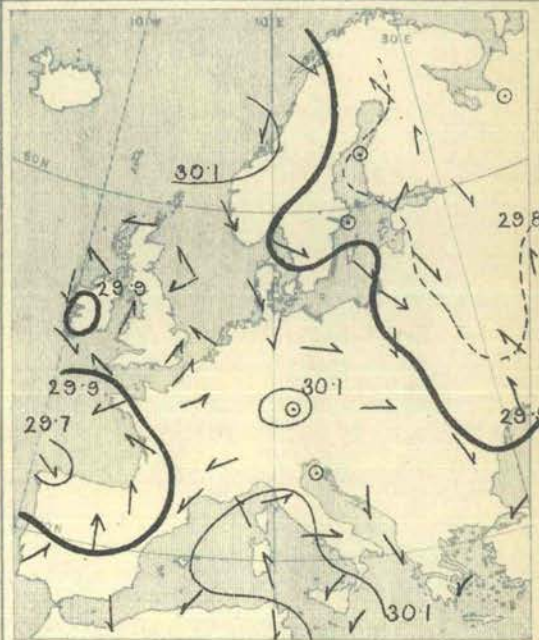


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine at some of our extreme northern and south-eastern stations, but cloudy or dull over the United Kingdom generally, with fog on several parts of our western and south-western coasts. Fair over the greater part of the Continent, but dull in places, with rain at several of the German stations, as well as at Corunna. Slight rain falling during day in many parts of the United Kingdom; thunderstorms and heavy rain setting in at night over the south and south-west of England. Thunderstorms occurring also in some parts of France and Germany, and rain falling in Russia.

Temperature changed very irregularly. Morning readings highest, 74° at Barcelona, 72° at Brindisi, and 71° at San Fernando and Sfax; above 65° in many parts of southern Europe. Lowest, 41° at Archangel, 43° at Helsingfors, 46° at Wisby, and 49° at Bodö, Christiansund, and Sumburgh Head. Rising during day to 65° or more over the central and southern parts of England, and to 80° or more at several of the French, Spanish, and Italian stations, the highest readings of all being 97° at Biarritz and 95° at Bilbao.

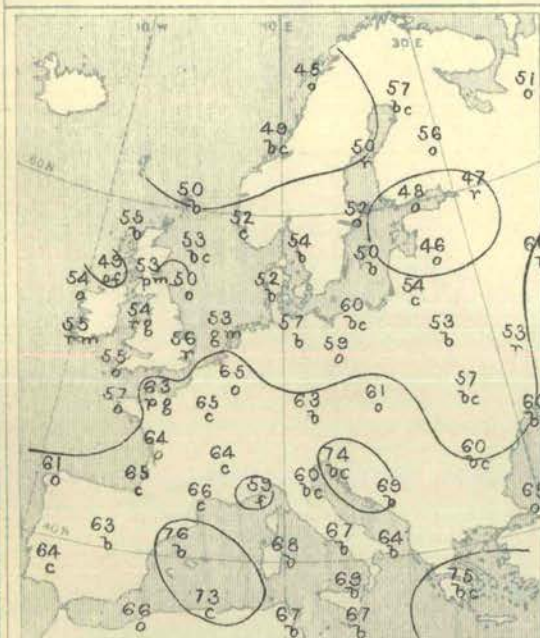
Wind light from between East and South on the west coasts of our Islands and France, but Northerly on our east coasts, and Westerly in the south-east of England, Northerly in the south of Scandinavia; Westerly in Germany; South-Easterly over Finland and the Baltic Provinces. Variable over the southern and south-eastern parts of the Continent and also at the Algerian stations. Subsequently shifting to the Eastward or South-Eastward in the east of England; no important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.2 ins. in an anticyclone covering the greater part of France, Switzerland, Italy, Tunis, and the central parts of the Mediterranean. Lowest, 29.8 ins. and less in a large shallow depression over the Gulf of Bothnia, Finland, the Baltic, and north Germany; 29.9 ins. and less in a still shallower system lying over and to the westward of Ireland. New disturbance appearing later off the north-west of Spain, and spreading northwards towards our own south and south-west coasts, barometer falling decidedly in the west of France.

Monday, 4th June.

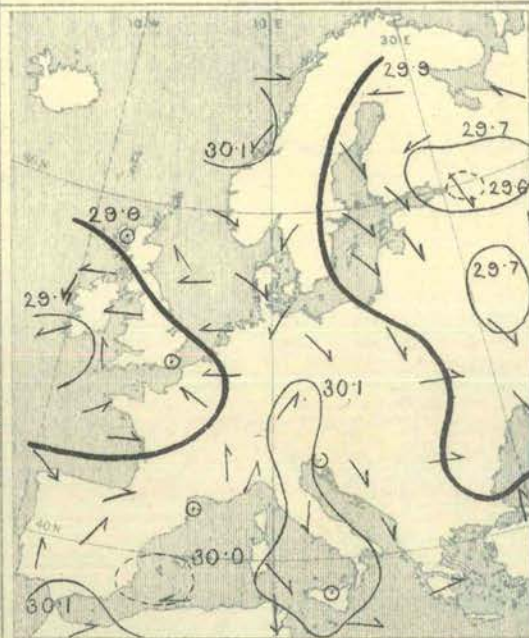
Temperature and Weather.

8 a.m.

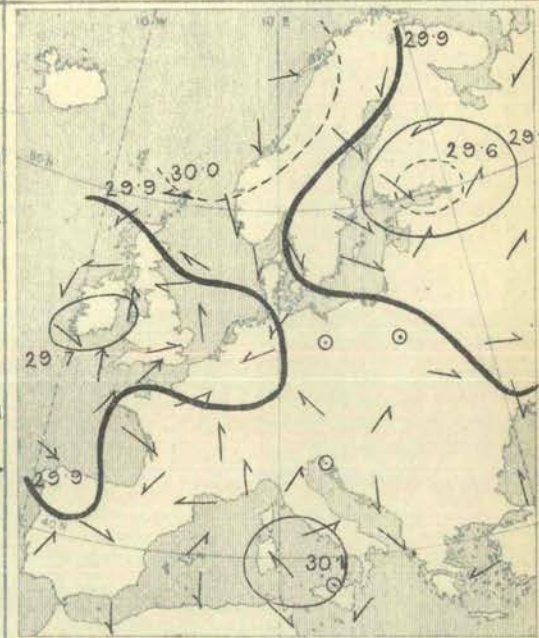


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning rainy in many parts of England and Ireland, and foggy in the north of Ireland, but fine and bright in the north of Scotland. Fine over a considerable portion of the Continent, but dull in the west of France and the north-west of Spain, and rainy at some of the German and Russian stations. Some improvement taking place later in the south of our Islands, but heavy rain falling in the central and several of the northern districts, as well as in Holland and north Germany. Thunderstorms occurring at many of the English and German stations, as well as at Cherbourg.

Temperature changed irregularly. Morning readings highest, 78° at Palma and La Calle, 70° at Barcelona, and 75° at Athens and Patras; above 65° in many parts of southern Europe, and just touching that point at Brussels and Paris. Lowest, 41° at Bodö, 46° at Riga, and 47° at St. Petersburg; (2) 49° at Leith and Malin Head. Daily maxima below 55° at several of our own northern stations, but thermometer exceeding 65° in some of the southern districts, and reaching 69° at the North Foreland. Exceeding 70° in France and Germany, and reaching 80° at Paris and Lyons; exceeding 80° at some of the Spanish and Italian stations.

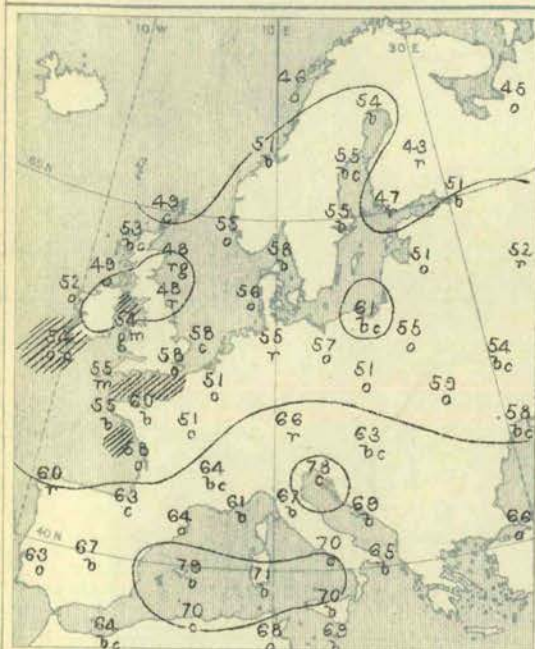
Wind light to moderate from the Eastward or South-Eastward over the Netherlands and the greater part of our Islands, but South-Westerly or Westerly in the west of France. Light to moderate from the North-Westward over Scandinavia, Denmark, Germany, the Baltic, and the western and southern parts of Russia. Variable in Italy, Algeria, and the south of France; North-Easterly in the south of Spain. Subsequently veering to the South-Westward in the south of England, and blowing strongly at some of the Channel stations, becoming variable in the west of France.

Barometer highest, 30.1 ins. and upwards (1) off the west of Norway; (2) over south Germany, Italy, and the adjacent parts of the Mediterranean, and (3) over western Algeria and the extreme south of Spain. Lowest, 29.8 ins. and less in a small depression near St. Petersburg; (2) 29.7 ins. and less in two other systems, one lying between Kiev and Moscow, and the other off the south of Ireland. Irish depression subsequently advancing slowly north-eastwards; secondary disturbances moving northward across England and the Netherlands.

Tuesday, 5th June.

Temperature and Weather.

8 a.m.

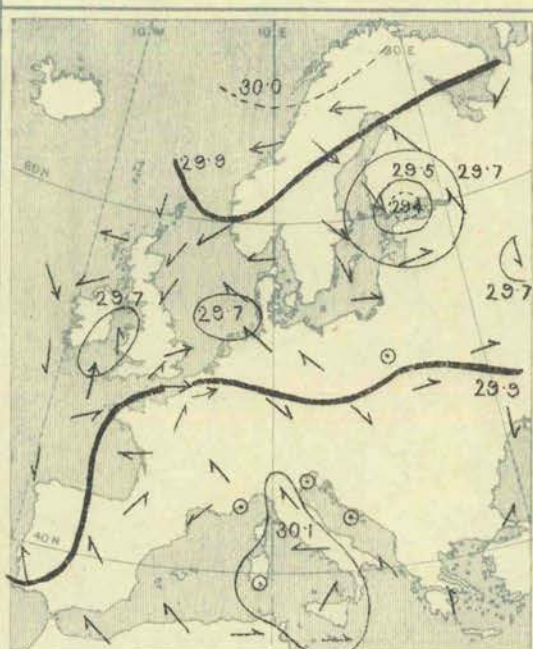


Weather in morning fine in the north of Scotland, but cloudy in other parts of our Islands, with rain over the east and south of Scotland, and the northern parts of Ireland and England. Fine in Scandinavia and also over the greater part of southern and south-eastern Europe; cloudy in the more central countries, with rain at several of the German and Russian stations. Heavy rain falling during day in some of our own northern districts, and smaller amounts in the south-east of England and the west of France; thunderstorms occurring at Yarmouth, at several of the French stations, and at Constantinople.

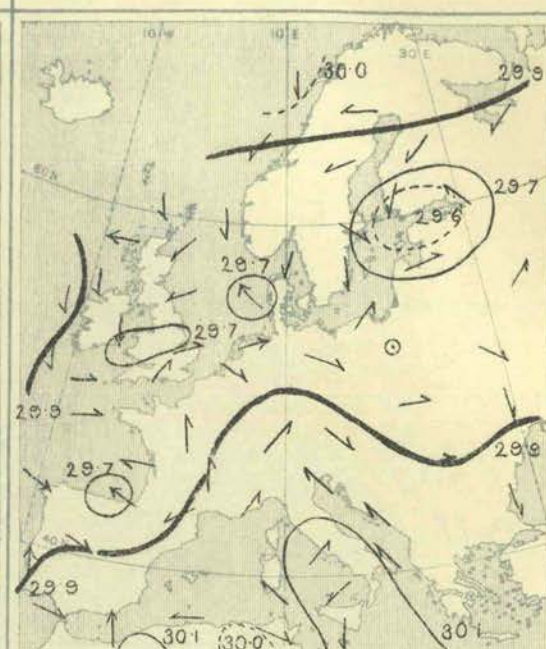
Temperature fallen in most of the western countries; changed irregularly elsewhere. Morning readings highest, 79° at Palma, 78° at Trieste and Athens, and 74° at La Calle; above 65° over southern Europe generally. Lowest, (1) 43° at Kuopio and 45° at Archangel; (2) 46° at Leith and Ardrossan (below 50° at several of our own northern stations). Daily maxima below 55° on many parts of our north and north-west coasts, but thermometer reaching 60° or more in the central and southern districts. Exceeding 90° in many parts of France and southern Europe, and reaching 91° at Chassiron and Gap.

Barometer and Wind.

8 a.m.



6 p.m.



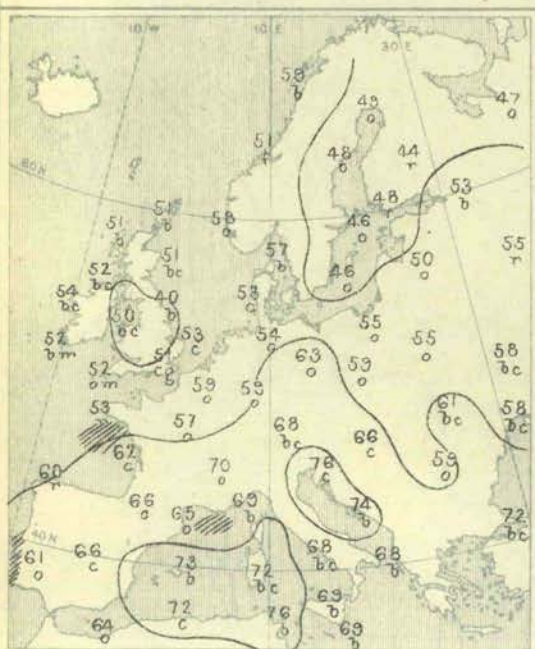
Wind light to moderate from the North-Eastward over Norway and the northern parts of our Islands, and from the Northward in Ireland, but fresh from the South-Westward over the southern parts of England, the Netherlands, and the north of France. Well-marked cyclonic circulation reported over Sweden, Finland, and the Baltic Provinces; but light variable breezes over the greater part of central and southern Europe. Moderate Easterly and South-Easterly winds setting in later over the west of France; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in a large area covering the Mediterranean and the greater part of southern Europe, as well as in a smaller system over the northern parts of Norway. Lowest, 29.4 ins. and less in a well-marked depression over the Gulf of Finland, 29.7 ins. and less in two shallow disturbances, one lying over the southern parts of the North Sea and the other over Wales, the Irish Sea, and the St. George's Channel. Disturbance over our Islands filling up gradually during day, but new depression appearing over the north-east of Spain and beginning to move northward.

Wednesday, 6th June.

Temperature and Weather.

8 a.m.

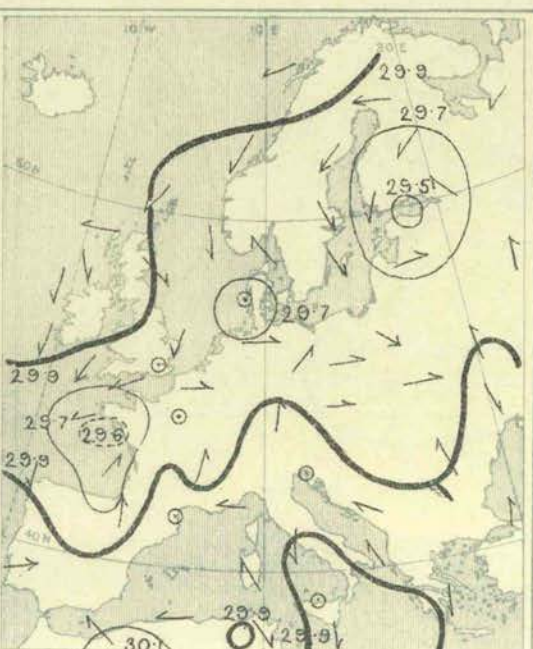


Weather in morning fine in the western and northern parts of the United Kingdom, but dull, misty, and gloomy over the greater part of England. Rainy at some of the French and Spanish stations and also in the Channel Islands. Fine in Norway and Denmark, but dull in Sweden and rainy in Finland; cloudy in Germany and Austria, with rain at Vienna; fine in Italy and the southern parts of France and Russia. Heavy rain falling later over the south and south-east of England, as well as at some of the Dutch and German stations; thunderstorms occurring in many parts of France and Germany.

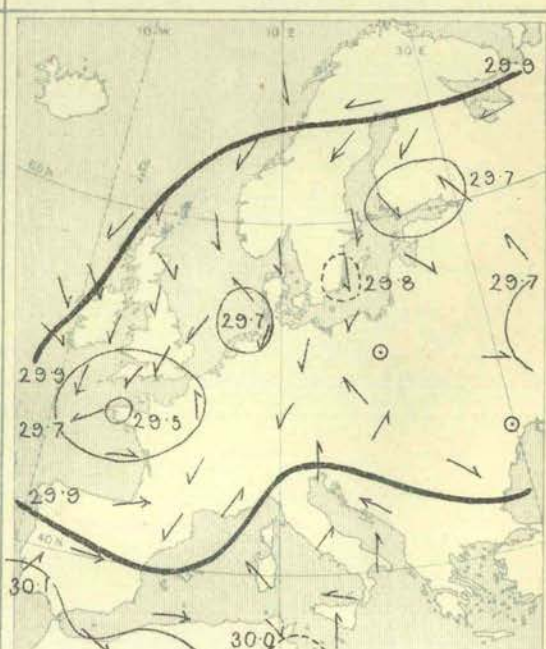
Temperature fallen over England and also in Sweden and Denmark; changed irregularly elsewhere. Morning readings highest, 82° at La Calle, 79° at Palma and Aumale, and 77° at Patras; above 70° at several of the Mediterranean and Adriatic stations. Lowest, (1) 44° at Kuopio, and 46° at Stockholm and Wisby; (2) 47° at Loughborough (below 50° over the northern parts of England generally). Daily maxima below 60° in nearly all parts of the United Kingdom, but thermometer exceeding 70° over Germany and the south of France, and reaching 95° at Brindisi.

Barometer and Wind.

8 a.m.



6 p.m.



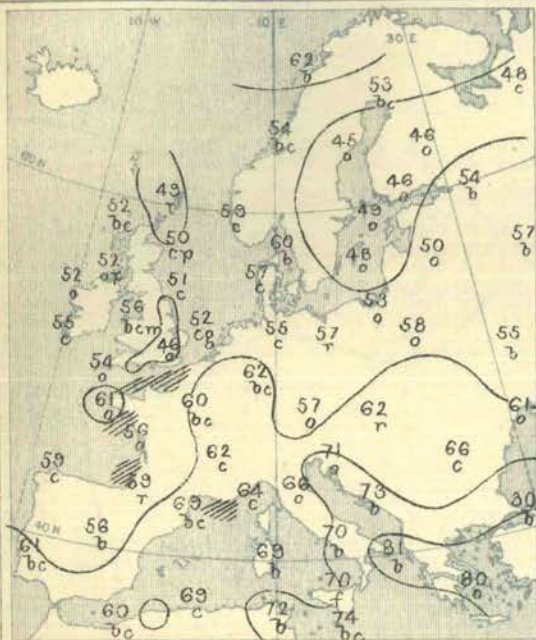
Wind Northerly or North-Easterly over the greater part of the United Kingdom, as well as over Scandinavia and northern Russia. Fresh from the North-Eastward over the north-west of France and the western parts of the Channel; Southerly or South-Westerly in the south-west of France and also at the Spanish stations. Light from the Westward (South-West to North-West) over Germany and Austria; variable in Italy and Algeria; Easterly in the southern parts of France and Italy. Subsequently shifting to the Westward in the west of France; Southerly and South-Westerly breezes setting in over Italy.

Barometer highest, 30.1 ins. and upwards over the south of Italy and the adjacent parts of the Mediterranean; 29.9 ins. and upwards over the western and northern parts of the United Kingdom and the north of Scandinavia. Lowest, 29.5 ins. and less in a depression over the Gulf of Finland; 29.6 ins. and less in another system over the northern parts of the Bay of Biscay; 29.7 ins. and less in a third over the south of Denmark. Depression over Bay of Biscay subsequently advancing north-eastwards and moving along the English Channel in evening; barometer rising again in the west of France.

Thursday, 7th June.

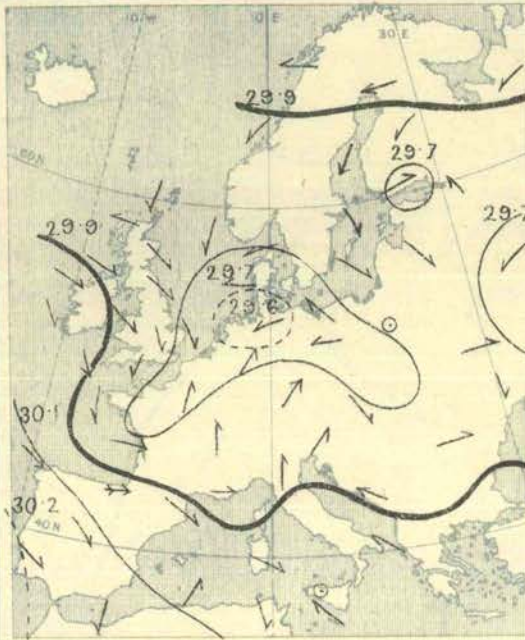
Temperature and Weather.

8 a.m.

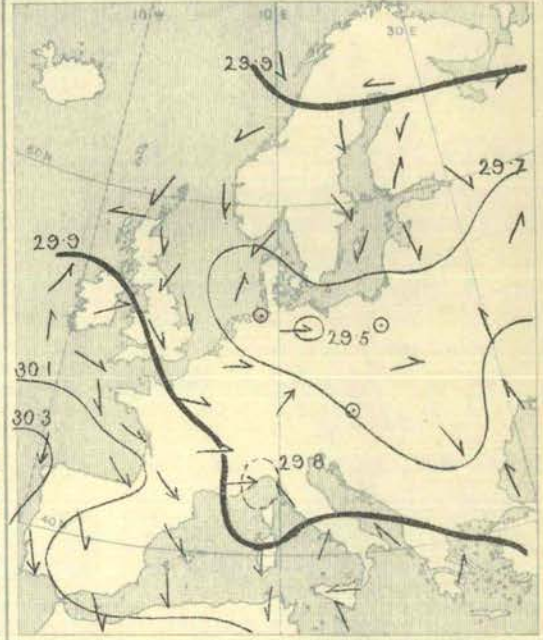


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine at most of our western stations, but cloudy in the north and east of the United Kingdom, with showers in the northern parts of Ireland and Scotland. Fine in Norway and Denmark, as well as over the greater part of southern and south-eastern Europe, but rainy at many of the French, German, and Austrian stations. (The newspapers report the occurrence of a severe and destructive hailstorm at Vienna shortly before 7 a.m.) Showers falling during day at several of our own western and northern stations, and heavy rain in some parts of Denmark and north Germany.

Temperatures risen in the west of our Islands, and also in Denmark and Italy, fallen in most other localities. Morning readings highest, 81° at Brindisi, 80° at Athens and Constantinople, and 77° at Patras and La Calle; reaching 70° or more at several of the Mediterranean and Adriatic stations. Lowest, 45° at Hernösand and 40° at Kuopio and Hangö; below 50° in several parts of Great Britain. Daily maxima below 60° in many parts of our Islands, but thermometer reaching 65° at Hurst Castle and 67° at Leith; exceeding 70° in the south of France, and rising to between 85° and 95° in the south of Italy.

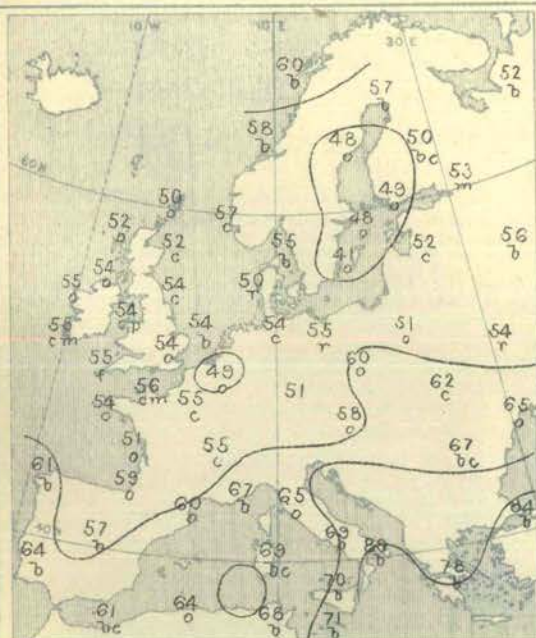
Wind light to moderate from the Northward over the greater part of the United Kingdom, but Westerly in the north of Ireland, and Easterly in the Hebrides. Fresh or strong from the North-Westward or Westward in the west of France, with a gale at Biarritz, South-Westerly over central France and south Germany. Easterly or North-Easterly over northern Russia, Scandinavia, and Denmark. North-Westerly in Spain and also in Austria, but Southerly or South-Easterly in Italy. Subsequently backing to the South-Westward or Southward in the west of Ireland, and to the North-Westward in the south of England; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying to the south-west of the Spanish Peninsula; 29.9 ins. and upwards over the extreme northern parts of Russia and Scandinavia. Lowest, 29.6 ins. and less in a well-marked depression over Denmark and north Germany, and also in another system over the south of Russia to the north-east of Kharkov; 29.7 ins. and less in a third disturbance over the Gulf of Finland. New disturbances beginning to approach the Irish coasts later, and further depressions forming over Germany.

Friday, 8th June.

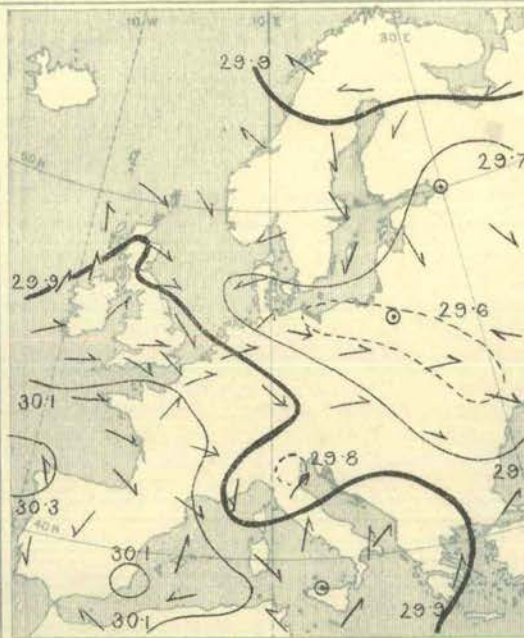
Temperature and Weather.

8 a.m.

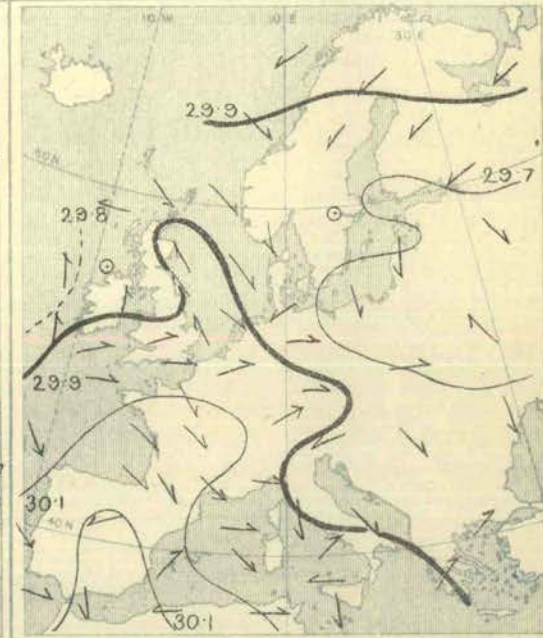


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the northern and eastern parts of the United Kingdom, but cloudy elsewhere, with showers at several of our western and central stations. Fine over the northern parts of Scandinavia and Russia, as well as over the greater part of southern Europe; dull and unsettled in the more central countries, with rain in many places. A little rain falling during ensuing 24 hours in all but the extreme northern parts of our Islands, and considerable amounts at some of the Swedish, Danish, and German stations.

Temperature changed very irregularly. Morning readings highest, 84° at Constantinople, 80° at Brindisi, and 71° at Malta, La Calle, and Tunis; above 65° in most parts of southern and south-eastern Europe, but below 60° over central Spain. Lowest, (1) 47° at Wisby, 45° at Hernösand and Stockholm, 40° at Brussels, and 50° at Swinemunde; (2) 50° at Sumburgh Head and 51° at Wick. Rising during day to between 60° and 65° in many parts of the United Kingdom, but not exceeding 55° at some of our western and northern stations. Rising to 75° or more in most parts of southern Europe; reaching 88° at Palermo and 91° at Brindisi.

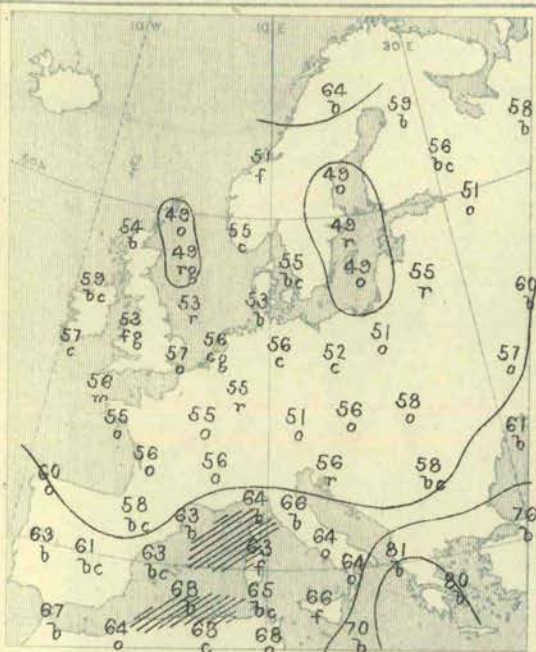
Wind light from the South-Westward or Westward over the greater part of the United Kingdom, but North-Westerly in the north-east of Scotland, and the extreme south-east of England. Moderate to fresh from the Westward or North-Westward over France, Germany, and Austria; Easterly or North-Easterly over Scandinavia, Denmark, northern Russia, and the Baltic, with a gale at Swinemunde. Southerly or South-Westerly in Italy and Greece; variable in Spain and Algeria. Subsequently shifting to the South-Eastward or Eastward on our north and north-east coasts. No important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.3 ins. in an anticyclone lying over the Spanish Peninsula, France, and Algeria. Lowest, 29.6 ins. and less in an elongated depression stretching from Pomerania to the south of Russia; 29.8 ins. and less in a shallow system off the west of Norway. Latter system disappearing later, but new depression approaching the Irish coasts from the Westward.

Saturday, 9th June.

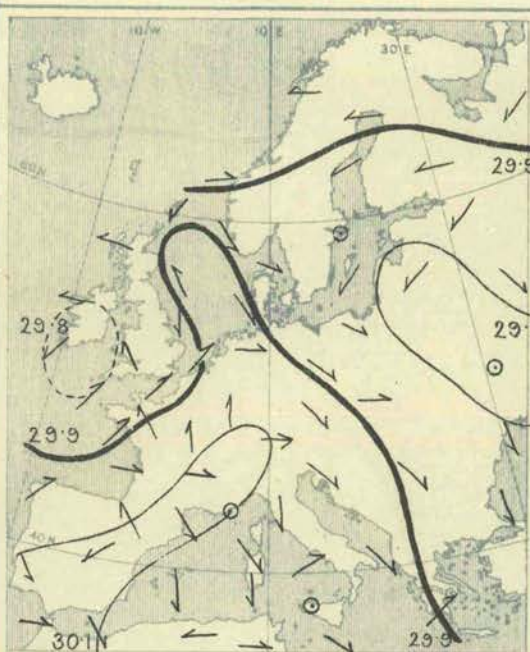
Temperature and Weather.

8 a.m.

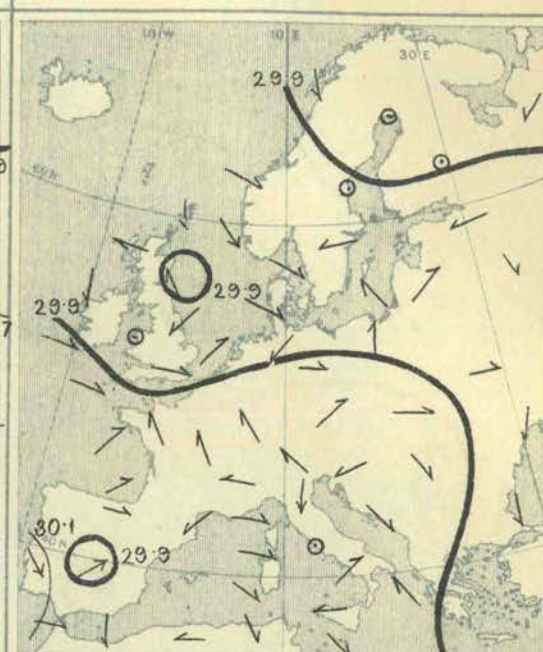


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in the west and south of Ireland, but dull in other parts of the United Kingdom, with showers in many places, and with steady rain in the north of England and the south and east of Scotland. Fine in Russia and the north of Scandinavia, as well as in Denmark, Spain, and the south of France; cloudy in most other parts of the Continent, with rain over the Baltic Provinces. Rain falling during day at many of our own and the Continental stations; thunderstorm occurring at Algiers in evening.

Temperature changed rather irregularly, but fallen in most countries. Morning readings highest, 81° at Brindisi, 80° at Athens, 76° at Patras, and 70° at Malta; above 65° at most of the Mediterranean stations; and above 60° in the north of Scandinavia. Lowest, 47° at Hangö and Helsingfors, 48° at Memel, and 49° at several stations in Sweden and the northern parts of our Islands. Daily maxima ranging between 60° and 65° in most parts of the United Kingdom, thermometer exceeding 70° over southern Europe generally, and exceeding 80° in the south of Italy.

Wind light from the South-Westward over the south of England and the north of France, but South-Easterly or Easterly in the north of our Islands and variable in the south of Ireland. North-Westerly or Westerly over Denmark, Germany, Austria, and the south of Scandinavia; but Easterly in the northern parts of Russia and Scandinavia. Light and variable over southern Europe. No important change taking place during day.

Barometer highest, 30.1 ins. and upwards in a long band stretching from the South-Westward across Spain and the south of France to Switzerland and south Germany; 29.9 ins. and upwards over the northern parts of Scandinavia and Russia. Lowest, 29.7 ins. and less in a large shallow depression over the central and southern parts of Russia; 29.8 ins. and less in another shallow disturbance lying over and to the southward of Ireland. Irish depression subsequently filling up, and barometer rising in most parts of the United Kingdom; no important change occurring elsewhere.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\rightarrow$ = detached clouds; $\circ$ = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During nearly the whole of the week two high-pressure areas were in existence—one over southern Europe and the other over the northern parts of Scandinavia and Russia. In the intervening regions, i.e., over the western, central, and eastern countries, numerous shallow depressions appeared; so that the winds varied greatly in direction, while the weather was exceedingly cool, changeable, and unsettled, with thunderstorms and heavy falls of rain in many places. A hailstorm of exceptional severity was experienced at Vienna on the morning of the 7th. The most important depression observed was a small system which passed over the north-east of Spain on the 5th, and which afterwards travelled northwards over the Bay of Biscay and north-eastwards across the English Channel and the Netherlands to Germany, where it gradually dispersed. Over the extreme southern parts of Europe the weather during the week was mostly fine and warm, the maximum temperatures being usually above 80° and sometimes above 90°.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 134.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	21.7	?	18	?	EASTBOURNE	30.2	?	27	?
OSWALDKIRK (Yorkshire)	8.7	?	7	?	MANCHESTER (Oldham Road)	14.5*	?	13*	?
WORKSOP	10.0	-28.0	9	-24	TENBY	29.5*	?	26*	?
THURCASTON (Leicestershire)	12.8	-26.9	11	-22	NEWQUAY	28.5	?	24	?
MARGATE	22.5	?	20	?	TORQUAY	20.9*	?	19*	?
WESTBOURNE (Sussex)	15.3*	?	14*	?	ARLEY COTTAGE (County Cavan)	19.7	?	17	?
BRIGHTON	21.1	?	19	?	GUERNSEY	47.3*	?	43*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

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ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, JUNE 16TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Mean for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The Means with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The Mean Amounts are those for the corresponding periods in the twenty-five years 1866-90, but the Mean numbers of Rainy Days are those for the ten years 1881-90. BRIGHT SUNSHINE.—The Mean Values employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 140.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	67	39	56.6	46.2	51.1	1 below.	Day-deg. 64	Day-deg. + 3	Day-deg. 0	Day-deg. - 1	Day-deg. 618	Day-deg. +114	Day-deg. 495	Day-deg. - 49
	1. SCOTLAND, EAST	72	34	61.2	45.4	52.7	1 below.	75	- 5	0	0	660	- 16	581	+ 8
	2. ENGLAND, N.E.	70	41	59.6	47.6	53.2	2 below.	78	- 6	0	0	705	+ 35	455	- 51
	3. ENGLAND, EAST.	71	41	61.4	47.6	54.0	2 below.	84	- 14	0	0	929	+ 84	471	-100
	4. MIDLAND COUNTIES.	72	37	63.6	46.6	54.5	2 below.	88	- 9	0	0	960	+ 90	483	- 79
5. ENGLAND, SOUTH	76	42	63.4	49.2	55.8	2 below.	97	- 7	0	0	1039	+102	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	68	37	60.1	46.2	52.7	2 below.	75	- 8	0	0	747	+ 33	345	- 69
	7. ENGLAND, N.W.	69	42	60.0	49.2	54.3	2 below.	86	- 4	0	0	873*	+121	300*	-122
	8. ENGLAND, S.W.	72	37	61.4	49.0	54.8	2 below.	90	- 5	0	0	1008	+123	236	- 81
	9. IRELAND, NORTH	68	37	59.8	46.7	52.8	2 below.	76	-10	0	0	834	+ 16	334	- 33
	10. IRELAND, SOUTH	69	40	61.8	48.4	54.6	2 below.	88	- 6	0	0	1056	+ 99	217	- 67
	-CHANNEL ISLANDS	61	49	59.2	51.7	55.2	2 below.	92	- 8	0	0	1219	+200	94	- 18

DISTRICTS. (See p. 140.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.					For the Week.				From December 31st, 1893.			
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.		Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in. 9	10ths of ins. 2 more.	109	- 2	Ins. 26.1	Ins. + 5.3		19	-27	16	- 21	606	+110	36	+ 8
	1. SCOTLAND EAST	4	8	3 more.	100	+12	17.3	+ 4.5		32	-15	27	- 12	659	+ 69	36	+ 5
	2. ENGLAND, N.E.	4	9	5 more.	99	+16	12.0	+ 1.7		26	-12	22	- 10	652	+ 81	33	+ 6
	3. ENGLAND, EAST.	4	11	6 more.	92	+11	11.3	+ 1.1		27	-21	23	- 17	724	+ 19	35	+ 3
	4. MIDLAND COUNTIES.	4	5	1 less.	95	+16	11.4	- 0.3		36	- 5	31	- 4	676	+ 60	33	+ 5
5. ENGLAND, SOUTH	4	4	0 (average)	89	+11	11.7	+ 0.3		39	- 8	34	- 7	793	+ 58	37	+ 6	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	10	3 more.	110	+16	26.0	+ 4.7		43	- 1	36	- 1	662	+ 20	32	+ 3
	7. ENGLAND, N.W.	4	5	1 less.	104	+18	16.1	+ 2.9		37	- 2	32	- 2	633	+ 60	33	+ 5
	8. ENGLAND, S.W.	4	4	2 less.	101	+12	17.4	+ 0.7		50	+ 2	44	+ 2	831	+ 69	29	+ 5
	9. IRELAND, NORTH	5	7	1 more.	115	+15	19.6	+ 5.0		33	- 7	28	- 6	631	+ 17	31	+ 3
	10. IRELAND, SOUTH	4	5	1 less.	110	+16	20.0	+ 3.1		32	-12	28	- 10	700	- 18	34	0
	-CHANNEL ISLANDS	4	2	3 less.	103	+ 7	14.1	+ 0.4		54	- 4	48	- 3	903	+ 31	44	+ 4

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued cold, dull, and unsettled during the earlier half of the period, but towards its close it improved considerably in all districts, although showers were still experienced at times.

Temperature was much below the normal during the early days of the week, but subsequently increased quickly. The weekly averages, were, however, again below the mean for the time of year in all districts, the deficit in nearly all instances being 2°. The highest of the maxima were recorded either on the 14th or 15th, when they ranged from 76° in England S. and 72° in Scotland E., the Midland Counties, and England S.W., to 67° in Scotland N., and to 61° in the Channel Islands. The lowest of the minima were registered, as a rule, during the early days of the period, and ranged from 34° in Scotland E., to 42° in England N.W., and to 49° in the Channel Islands.

Rainfall varied a good deal in different localities; in Scotland, the north-east and east of England, and in the north of Ireland, it exceeded the mean, while in the Midland Counties,

England N.W. and S.W., Ireland S., and the Channel Islands there was a slight deficiency. In England S. the fall just equalled the normal.

Bright Sunshine shows a great decrease in duration in Scotland N., but an increase in almost all other districts. It was, however, still very deficient generally, and only exceeded the mean in England S.W.

Barometer and Wind.—During the earlier part of the week the barometer was mostly highest to the westward and south-westward of our Islands, and lowest to the eastward and north-eastward, so that cold North-Westerly winds of moderate strength prevailed over the Kingdom generally. Later on, however, pressure became highest over France and the Bay of Biscay, and shallow depressions appeared over our more northern districts from the Atlantic. The wind consequently backed to the Westward or South-Westward, with a considerable rise of temperature.

II.—DATA from which the SUMMARY on page 139 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	57	44	54.7	45.9	50.0	+ 0.7	56	0	3	0.15	-0.31	*	*	*
	Stornoway	57	47	55.0	49.0	51.8	+ 0.3	69	0	7	0.36	-0.31	14.8	-27.0	12
	Wick	62	44	56.1	45.7	50.5	- 1.2	60	0	6	0.44	+0.04	*	*	*
	Laing	62	42	57.3	44.4	50.4	- 1.2	59	0	5	1.65	+0.45	*	*	*
	Glencarron	63	39	59.4	45.2	51.8	- 1.8	69	0	6	0.91	+0.41	15.4	?	13
	Fort Augustus	67	44	57.3	47.1	51.8	- 2.6	69	0	6	1.81	+0.91	27.4	?	22
1. SCOTLAND, E.	Fort William	65	34	61.3	43.4	51.7	- 2.8	68	0	3	0.53	+0.13	*	*	*
	Nairn	63	42	57.4	45.9	51.3	- 2.3	65	0	6	0.75	+0.35	31.1	-14.9	25
	Aberdeen	64	38	58.9	42.2	50.0	- 1.6	56	0	3	0.61	+0.06	38.8†	?	32+
	Braemar	72	40	65.0	46.4	55.1	+ 0.9	92	0	5	1.23	+0.62	*	*	*
	Ochertyre	70	44	64.7	48.9	56.3	+ 1.2	100	0	4	0.86	+0.46	*	*	*
	Leith	64	41	59.6	45.3	52.0	- 1.5	70	0	3	0.60	+0.32	27.0	?	23
2. ENGLAND, N.E.	Marchmont	64	47	57.4	48.6	52.7	- 0.2	75	0	3	1.00	+0.59	*	*	*
	Alnwick Castle	69	41	61.7	46.1	53.4	- 1.2	80	0	4	0.60	+0.16	28.0	-10.2	24
	Durham	69	47	59.0	47.7	53.0	- 1.0	77	0	3	0.73	+0.33	*	*	*
	Shields	70	44	58.8	47.0	52.5	- 2.3	74	0	4	0.75	+0.28	*	*	*
	Scarborough	69	42	63.1	47.4	54.7	- 1.7	89	0	4	0.90	+0.39	26.1	-13.5	22
	York	66	47	57.3	48.6	52.7	- 2.7	75	0	4	1.53	+1.17	*	*	*
3. ENGLAND, E.	Spurn Head	70	43	60.6	47.1	53.4	- 3.2	80	0	5	1.39	+0.89	22.1	-23.0	19
	Hillington	69	47	58.0	48.4	52.9	- 2.8	76	0	5	1.59	+1.17	*	*	*
	Yarmouth	70	42	60.8	47.6	53.7	- 2.5	82	0	5	1.23	+0.88	22.8	-27.2	20
	Geldeston	71	42	64.9	47.7	55.7	- 1.7	96	0	3	0.59	+0.97	33.6	-11.4	29
	Cambridge	69	41	62.6	47.2	54.4	- 1.9	87	0	4	0.44	-0.06	28.5	?	25
	Rothamsted	72	40	64.0	46.7	54.8	- 1.8	90	0	3	0.21	-0.31	*	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	70	41	64.3	47.3	55.2	- 2.6	92	0	3	0.54	+0.03	*	*	*
	Loughborough	71	37	64.4	46.0	54.6	- 3.0	88	0	4	0.52	+0.08	*	*	*
	Stamford (Ketton Hall)	66	45	60.9	45.9	52.9	- 1.5	76	0	3	0.46	-0.21	*	*	*
	Cheadle	68	42	62.9	45.4	53.5	- 1.1	81	0	4	0.36	-0.12	46.7	+ 5.1	40
	Churchstoke	70	45	65.7	47.2	55.8	- 1.4	97	0	3	0.36	-0.14	*	*	*
	Hereford	69	38	63.6	45.9	54.1	- 1.5	85	0	4	0.61	+0.06	41.8	- 2.2	36
5. ENGLAND, S.	Cirencester	71	44	62.7	48.3	55.0	- 2.2	91	0	4	0.61	+0.10	32.6	-11.4	28
	Oxford	71	44	62.7	48.3	55.0	- 2.2	91	0	4	0.61	+0.10	32.6	-11.4	28
	London	67	48	61.7	50.9	55.9	- 0.3	97	0	5	0.26	?	31.6†	- 9.4†	27†
	North Foreland	70	43	64.6	46.9	55.1	- 2.5	92	0	6	0.62	+0.17	*	*	*
	Strathfield Turgiss	66	42	61.9	50.0	55.5	- 1.7	95	0	3	0.39	-0.08	*	*	*
	Dungeness	67	43	61.7	48.7	54.8	- 2.9	90	0	5	0.38	-0.02	42.0	- 9.6	37
6. SCOTLAND, W.	Hastings (St. Leonards)	76	47	66.6	49.7	57.6	- 0.6	109	0	3	0.26	-0.19	42.3	- 5.7	37
	Southampton	66	47	64.1	50.3	56.7	- 0.5	103	0	3	0.31	-0.14	*	*	*
	Hurst Castle	66	44	62.3	48.9	55.1	- 1.6	92	0	5	0.69	?	*	*	*
	Stowell	61	40	59.3	46.4	52.4	- 1.9	73	0	6	2.07	+0.97	*	*	*
	Landale (Loch Sunart)	68	44	62.1	46.7	53.9	- 0.6	83	0	6	1.12	+0.52	39.2	+ 2.0	33
	Glasgow	62	44	58.0	47.6	52.4	- 2.6	73	0	4	0.83	+0.25	*	*	*
7. ENGLAND, N.W.	Ardrossan	66	37	61.6	44.1	52.2	- 1.8	71	0	4	0.71	-0.02	*	*	*
	Glenlee	64	40	59.7	46.3	52.5	- 1.9	74	0	6	0.30	-0.20	46.5	- 4.3	39
	Douglas (Isle of Man)	66	45	59.8	48.0	53.5	- 1.9	81	0	5	0.77	+0.02	43.1	- 0.4	37
	Stonyhurst	63	42	59.9	48.6	53.9	- 1.7	83	0	4	0.35	-0.14	39.3	- 5.2	33
	Blackpool	66	45	59.5	48.6	53.7	- 1.8	82	0	4	0.77	+0.09	34.5	?	29
	Manchester (Prestwich)	69	49	60.6	50.6	55.5	- 1.4	93	0	3	0.41	-0.02	*	*	*
8. ENGLAND, S.W.	Liverpool Obs. (Bidston)	64	49	60.7	50.4	55.2	- 1.5	82	0	4	0.18	-0.22	39.2	- 2.8	34
	Llandudno	62	48	59.4	49.1	53.9	- 1.8	83	0	5	0.25	-0.21	*	*	*
	Holyhead	72	37	64.4	46.6	54.9	- 1.9	90	0	4	0.75	+0.03	*	*	*
	Llandovery	57	49	55.7	50.4	52.9	- 2.5	75	0	3	0.34	-0.11	42.7	-11.8	37
	Pembroke	69	47	65.3	50.3	57.3	- 0.1	107	0	3	0.41	?	*	*	*
	Bristol (Montpelier)	65	44	59.7	47.3	53.1	- 1.9	78	0	5	0.66	-0.11	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	70	42	65.3	49.0	54.9	+ 0.2	102	0	3	0.15	-0.39	51.1	+ 5.5	45
	Cullompton	65	48	60.3	50.2	54.9	- 1.8	90	0	3	0.23	-0.37	61.3	+ 9.3	55
	Falmouth	63	48	60.7	49.6	54.8	- 3.9	90	0	5	0.27	-0.18	51.1	+ 3.6	45
	Plymouth	65	46	60.1	48.6	54.0	- 1.4	84	0	5	0.40	+0.04	*	*	*
	Prawle Point	63	46	56.3	48.4	52.1	- 2.8	71	0	6	0.59	?	*	*	*
	Malin Head	67	45	60.7	47.3	54.5	- 2.8	81	0	4	0.88	+0.29	*	*	*
10. IRELAND, S.	Londonderry	64	39	58.7	47.0	52.4	- 2.5	73	0	5	0.84	+0.24	*	*	*
	Edenfel (Omagh)	59	47	56.7	49.0	52.6	- 2.3	74	0	5	0.90	?	*	*	*
	Belmullet	66	37	59.6	44.1	51.3	- 3.0	65	0	4	0.93	+0.30	30.8	- 6.6	26
	Markree Castle	67	39	60.8	45.1	52.4	- 2.1	73	0	4	0.57	-0.11	*	*	*
	Brookeborough	66	41	61.6	44.7	52.6	- 2.5	74	0	6	0.36	-0.13	33.2	- 6.9	28
	Armagh	67	49	62.0	50.1	55.6	+ 0.9	95	0	4	0.54	+0.08	*	*	*
CHANNEL ISLANDS.	Donaghadee	68	38	61.4	44.5	52.4	- 2.8	73	0	6	0.56	-0.12	*	*	*
	Edgeworthstown	69	44	64.0	48.1	55.5	- 1.3	95	0	5	0.24	-0.18	43.8	0.0	38
	Dublin	68	40	63.6	46.4	54.4	- 1.1	87	0	3	0.55	0.00	28.6	-12.3	25
	Parsonstown	66	41	62.0	47.3	54.1	- 2.0	85	0	4	0.44	-0.07	*	*	*
	Kilkenny	67	40	63.7	46.7	54.6	- 2.4	88	0	3	0.17	-0.39	*	*	*
	Waterford	65	46	61.3	50.4	55.5	- 1.5	95	0	2	0.28	-0.44	*	*	*
CHANNEL ISLANDS.	Roche's Point	59	41	57.7	49.9	53.5	- 2.5	81	0	4	0.72	-0.03	23.2	-23.3	20
	Valencia	64	41	61.0	47.6	53.8	- 1.7	83	0	6	1.05	?	*	*	*
	Killarney	68	46	60.9	50.9	55.6	0.0	95	0	4	0.55	?	*	*	*
	Foynes	61	49	58.7	51.4	54.8	- 1.8	90	0	2	0.03	-0.39	54.0	?	48
	Scilly (St. Mary's)	61	50	59.6	52.0	55.5	- 2.2	95	0	6	0.43	-0.12	51.0	- 4.1	46
	Jersey														

Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 10th June.

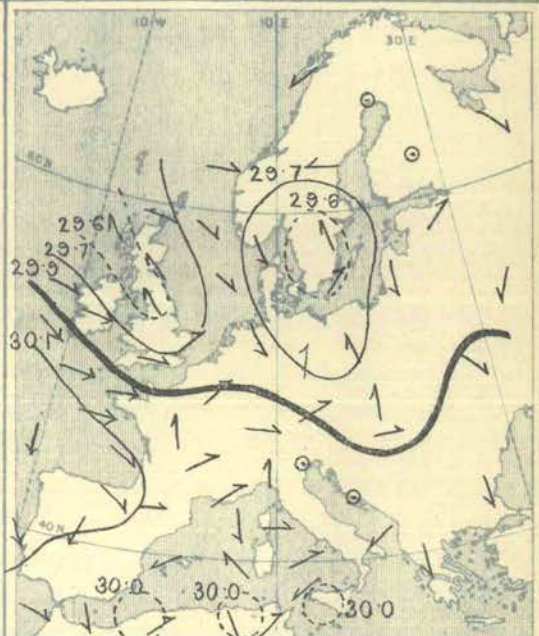
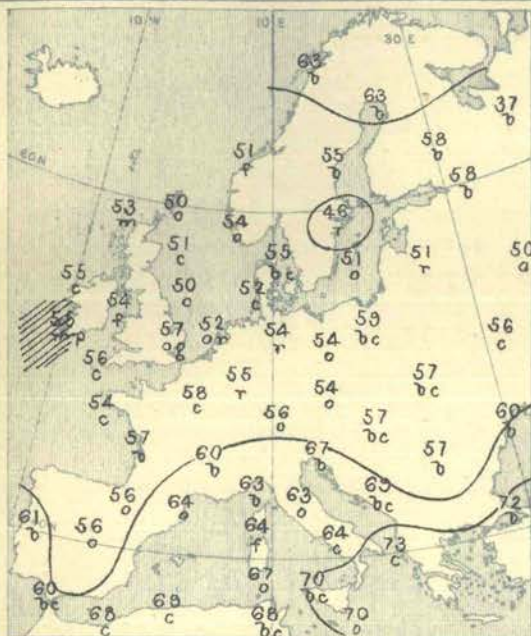
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright both over northern, and many parts of south-eastern Europe, fine at many of the Algerian stations and Lisbon; cloudy, changeable, and unsettled elsewhere, with rain in many parts of the British Islands and some parts of north Germany. Rain later in nearly all parts of our Islands, the Netherlands, Germany, and Sweden, amounts large (exceeding half-an-inch) on our north-east coasts, in the Netherlands, and at Munich, and amounting to about an inch at San Fernando and Nemours; thunder and lightning at Loughborough and in western Germany.

Temperature very irregularly distributed, much higher over Lapland than over the British Islands. Morning readings highest, 73° at Brindisi, 70° at Malta and Palermo; exceeding 60° over southern Europe generally and also over Lapland. Lowest, 46° at Stockholm, 50° at Moscow, Hangö, and Shields, 51° at Memel, Christiansund, and Aberdeen. Rising later to between 60° and 65° in many parts of England and France, to 80° or more at Lyons and over Algeria, to between 80° and 70° over Italy, and 75° and 70° at Perpignan and Nice on the one hand and at Haparanda on the other.

Wind exceedingly variable, a number of cyclonic circulations being prevalent over various parts of the Baltic, north Germany, the British Islands, and Spain, while variable anticyclonic airs prevailed over the Bay of Biscay and southern and south-eastern Europe. Wind freshening from West and North-West over Ireland, England, and the Bay of Biscay later, but backing to South-East in Scotland for a time.

Barometer highest, (1) 30.1 ins. and more over Italy, and exceeding 30.0 ins. over south-eastern Europe generally, excepting Spain; (2) 29.9 ins. and more over Lapland and the northern parts of Finland and Russia. Lowest, below 29.7 ins. in a depression off the north-west coasts of our Islands, in another over the Baltic near Stockholm, and in a third (small one) at the mouth of the Elbe; (3) below 29.9 ins. over central Spain. Falling considerably over Great Britain, the North Sea, and the Baltic later, rising over our western and south-western districts.

Monday, 11th June.

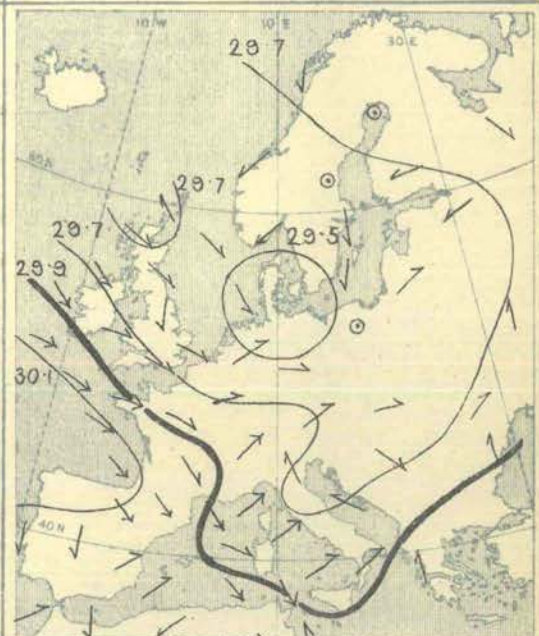
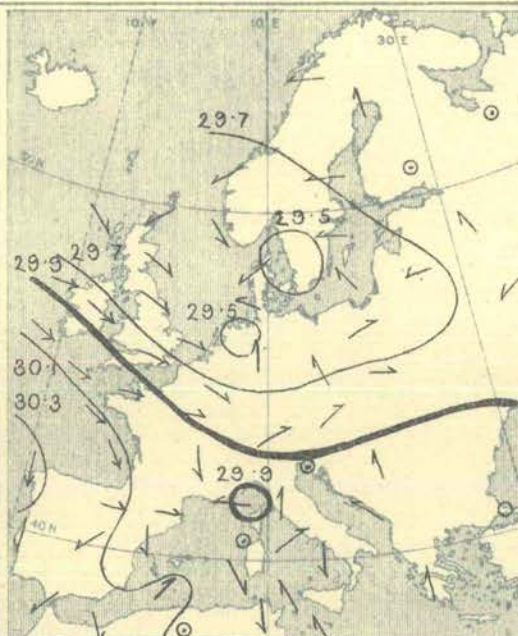
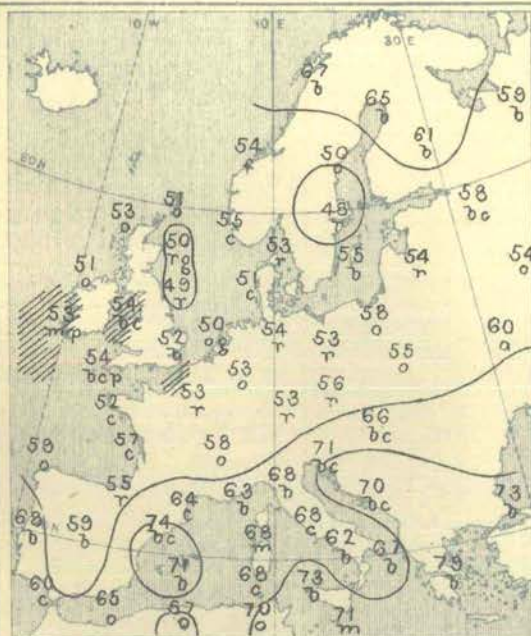
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright (1) over Lapland, Finland, and the north of Russia, (2) over south-eastern Europe and at many of the Mediterranean stations; changeable and unsettled elsewhere, with rain over many parts of our Islands, central Europe, Denmark, and the south of Sweden. Rain falling later in all the last-named regions, and hail in some places; fall heavy at Cuxhaven, and considerable at Belfort and Besançon.

Temperature in morning highest, 79° at Patras, 70° and more at the extreme south-eastern stations generally, as well as at Barcelona, Palma, and some Algerian stations. Exceeding 60° at most stations in southern Europe, and also over Lapland and the north of Finland. Lowest, 48° at Stockholm, 49° at Shields and Malin Head, 50° at Wick and Aberdeen, 51° at Spurn Head and Loughborough. Exceeding 60° at several English stations later, and touching 64° at Paris, 77° at Nice, 79° at Lisbon, 75° to 80° in many parts of Italy. Very low at Lyons during following night.

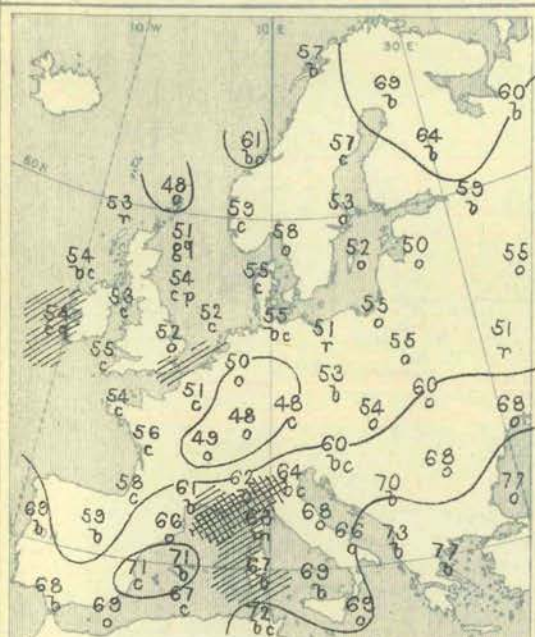
Wind (1) moderate from the Eastward over Finland and Scandinavia; (2) fresh to strong from North-West and West over our Islands, the Channel, and Bay of Biscay, light from South-West over central Europe, light and very variable over the more southern districts. Blowing a moderate breeze over the Bay of Biscay, as well as on the northern and western coasts of Spain and Portugal. Becoming calm in the north of Sweden, but a well-marked cyclonic system appearing over the northern parts of the Mediterranean.

Barometer highest, (1) 30.4 ins. and more over the Azores, and 30.3 ins. and more to 30.0 ins. in the eastern parts of an anticyclonic "ridge" stretching in from the Atlantic over western and south-western Europe; (2) 29.8 ins. and more over the north and the south-east of Russia. Lowest, 29.5 ins. and less to 29.6 ins. in a complex series of depressions covering the Baltic, Denmark, the North Sea, the north of Scotland, and neighbouring parts of the Atlantic. Rising suddenly in Scotland later, and change spreading southwards, a well-marked depression appearing off the Riviera.

Tuesday, 12th June.

Temperature and Weather.

8 a.m.

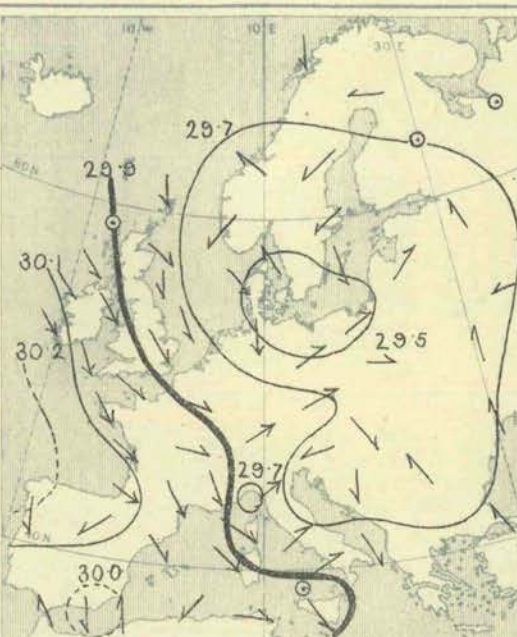


Weather in morning fine and bright (1) over Lapland and the north of Russia, (2) over the greater part of Spain and at several Algerian stations; cloudy and very unsettled in almost all other places, rainy in many parts of Germany, squally and showery over the British Islands as a whole. Rain falling later over the British Islands and central Europe, heavily in some localities, lightning seen in places. Solar halos appearing in the south-west and south of England, and much cirrus coming fast from north-west.

Temperature in morning highest, (1) 60° to 69° over Lapland, Finland, and the north of Russia; (2) 77° to 70° over south-eastern Europe and some of the southern and western shores of the Mediterranean, exceeding 60° over southern Europe generally, and locally at Leith. Lowest, 48° at Sumburgh Head and at Belfort and Munich, 50° at Havre and Brussels, 51° at Berlin, Cape Gris Nez, and Wick, 52° at Malin Head. Rising later to 60° and more in several parts of England and central France, to 70° and more in the south of France and also over Lapland, and to 82° at Lisbon, 90° at Brindisi, and 95° at Laghouat (central Algeria).

Barometer and Wind.

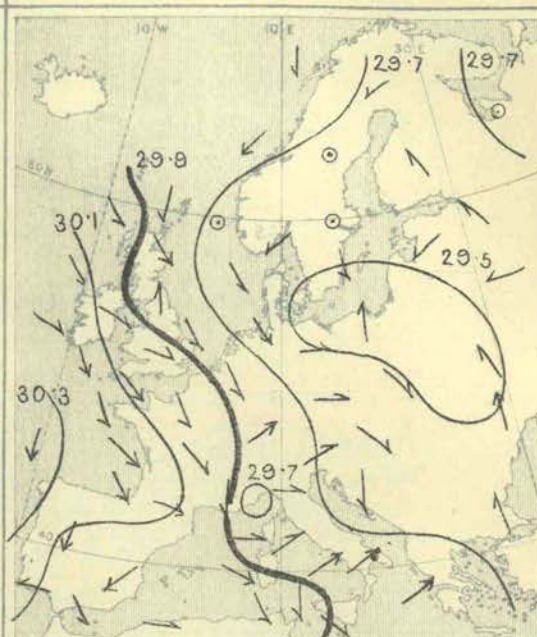
8 a.m.



Wind light from East over the most northern countries, moderate to strong from North and North-West over the North Sea and British Isles, and from a rather more Westerly point over the Bay of Biscay, moderate to light from West and South-West over central France and Germany. The well-marked cyclonic circulation continuing over the Gulf of Genoa and north of the Mediterranean generally, but growing feeble towards night.

Barometer highest, (1) 30.2 ins. and more over the north-western parts of the Peninsula and neighbouring parts of the Atlantic, and exceeding 30.0 ins. on the Atlantic shores of Europe and Ireland generally, as well as over northern Africa; (2) exceeding 29.7 ins. over southern, eastern, and northern Russia. Lowest, 29.5 ins. and less in a depression over Denmark, the south of Sweden, the Baltic, and north Germany; below 29.6 ins. over Austria-Hungary, and below 29.7 ins. in a sharply defined depression over the Riviera and neighbouring parts of the Mediterranean. Rising unsteadily over north-western Europe later, falling over north Germany and western Russia.

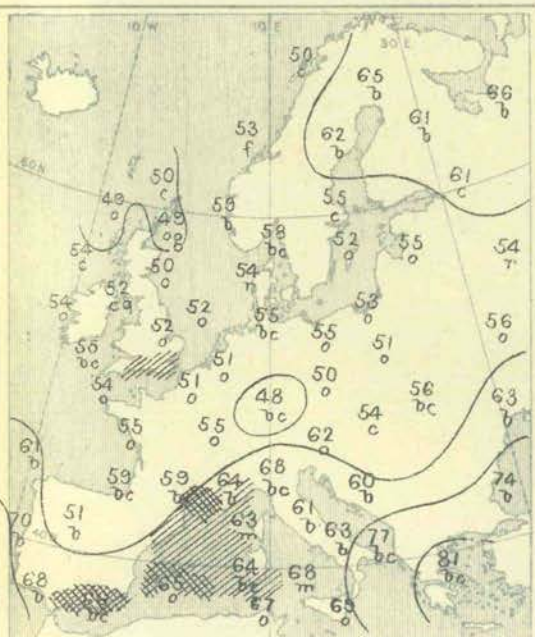
6 p.m.



Wednesday, 13th June.

Temperature and Weather.

8 a.m.

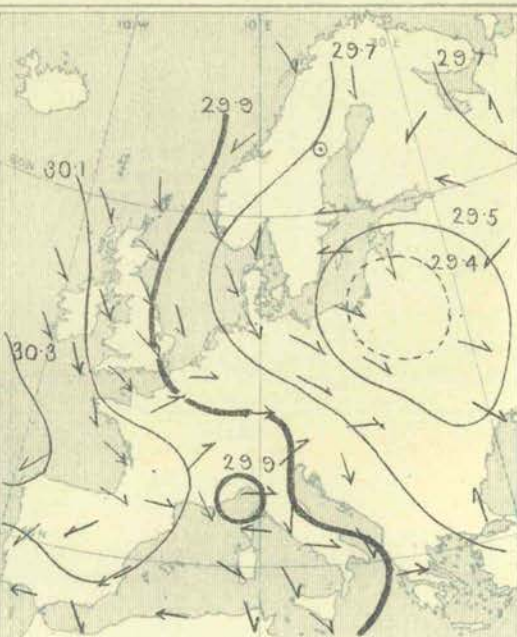


Weather in morning dull and rainy over central Europe and a good deal of Russia, squally and showery over the eastern half of Great Britain, and cloudy and unsettled over the British Islands and France generally; fine and bright (1) over northern Europe, (2) over south-eastern, southern, and south-western Europe and the Mediterranean. Rain falling later over the east of France, Germany, many parts of Russia, and the eastern shores of the North Sea, a large fall at Trieste and in the south of Russia, thunder occurring in several localities.

Temperature in morning highest, (1) 81° at Athens, and 70° or more at many of the extreme south-eastern, southern, and south-western stations; (2) 66° at Archangel, 65° at Haparanda, 62° at Hernösand, 61° at St. Petersburg. Lowest, (1) 49° at Aberdeen, 50° at Sumburgh Head, Wick, and Malin Head; (2) 48° at Munich, 50° at Prague and Cracow, 51° at Breslau. Rising later to between 75° and 77° in the north of Sweden, and to 70° at Leith, but ranging between 65° and 55° in other parts of our Islands; touching 72° at Nice and Perpignan, not touching 80° over Italy or on the Algerian coasts, but reaching 84° at Lisbon.

Barometer and Wind.

8 a.m.



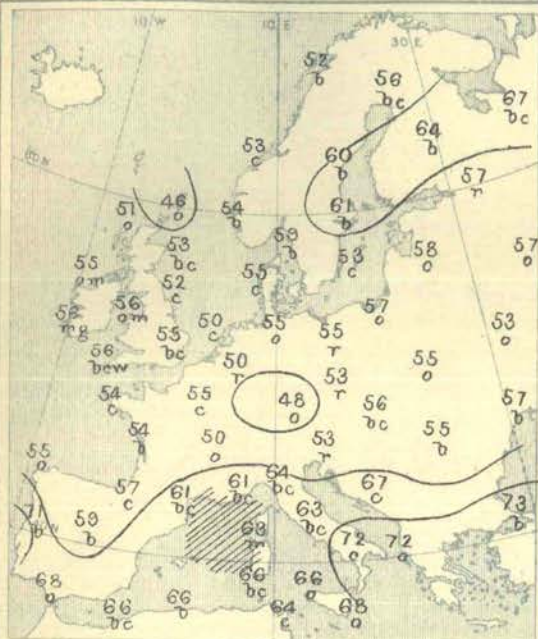
Wind Northerly to Easterly, light, over the most northern countries. North-Westerly to Northerly, moderate to strong, over our Islands, Westerly to North-Westerly over central Europe, Easterly to Northerly over the Mediterranean, North-Easterly to Easterly over the southern half of Spain. Separate cyclonic systems over the northern parts of the Mediterranean. The Northerly wind over the British Islands decreasing greatly in force later, and inclining to "back" slightly in the west of Ireland.

Barometer highest, 30.3 ins. at Corunna, and exceeding 30.2 ins. in the west of Ireland and north of Spain generally; exceeding 30.0 ins. over all the western parts of our Islands, the west and south-west of France, and the western and southern parts of the Mediterranean; exceeding 29.7 ins. over the north of Russia. Lowest, 29.4 ins. and less to 29.6 ins. in a large depression covering the north-east of Germany, the Baltic, and central Europe, and below 29.3 ins. in a small system off the Riviera. Rising generally over western Europe later, most over France and the south-east of England, falling over Russia.

Thursday, 14th June.

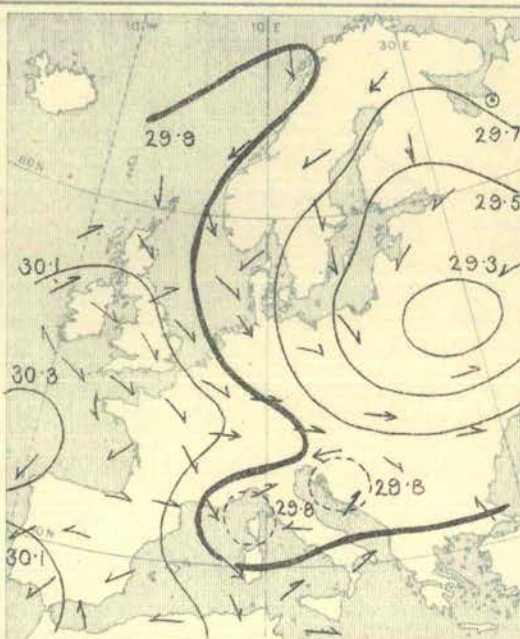
Temperature and Weather.

8 a.m.

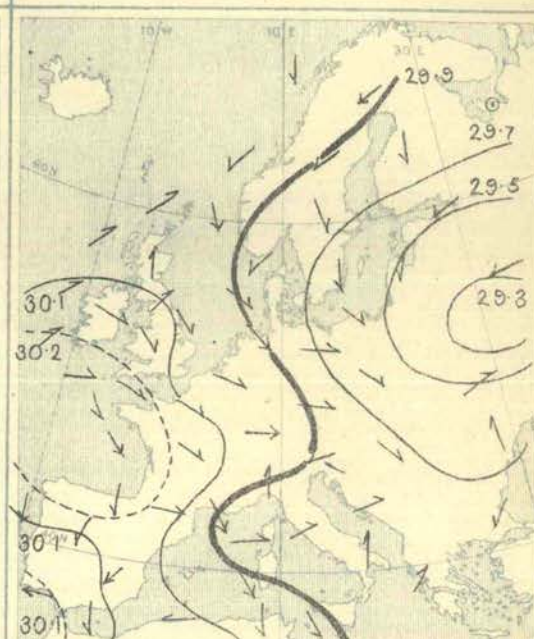


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over south-eastern and south-western Europe, with some parts of the Mediterranean; also over Brittany, several parts of Great Britain, and the greater part of Scandinavia, Finland, and the north of Russia; cloudy or overcast elsewhere, rainy over Russia and central Europe and at the northern extremity of the Adriatic. Considerable rain later over the southern parts of Germany, at Lyons, and Trieste, with thunder in places; becoming showery again in the extreme west and north-west of our Islands.

Temperature inclined to rise over western Europe, but to fall in the north and south-east. Morning readings highest, 70° and more at the extreme south-eastern stations and at Lisbon only; exceeding 60° over the Mediterranean and many parts of northern Europe, below that value elsewhere. Lowest, 46° at Sumburgh Head, 49° at York, 50° at Wick, 51° at Aberdeen. Rising later to 70° and more over the inland parts of the southern half of England and of Europe, as well as at Stockholm and in the Riviera, but not touching 60° in the north of Scotland or west of Norway.

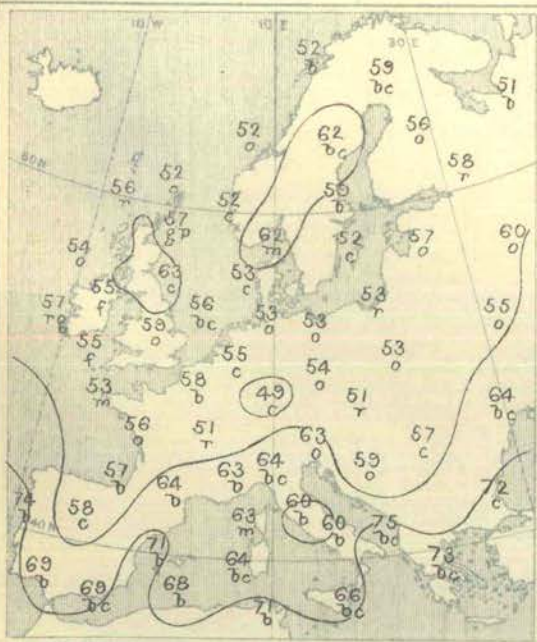
Wind (1) Northerly over Scandinavia and the Baltic, North-Westerly over the Netherlands and north Germany, Westerly over central Europe and the south of Russia; (2) Southerly to South-Westerly, light in Ireland and the west of Scotland, North-Westerly, light, over the greater part of England, North-Easterly over the southern part of the Bay of Biscay and Portugal; (3) a complex cyclonic circulation prevalent over the northern parts of the Mediterranean, Italy, and the Adriatic. The South-Westerly wind on our western coasts inclined to freshen later and to spread eastward; the Northerly winds over western Russia subsiding.

Barometer highest, 30.3 ins. and more to 30.0 ins. in an anticyclone spreading from the Bay of Biscay over the British Isles, France, and the Iberian Peninsula. Lowest, about 29.3 ins. over western and central Russia, and below 29.8 ins. in two depressions lying over the northern parts of the Adriatic and Mediterranean. Beginning to decrease over our Islands later, but increasing over Scandinavia and central Europe.

Friday, 15th June.

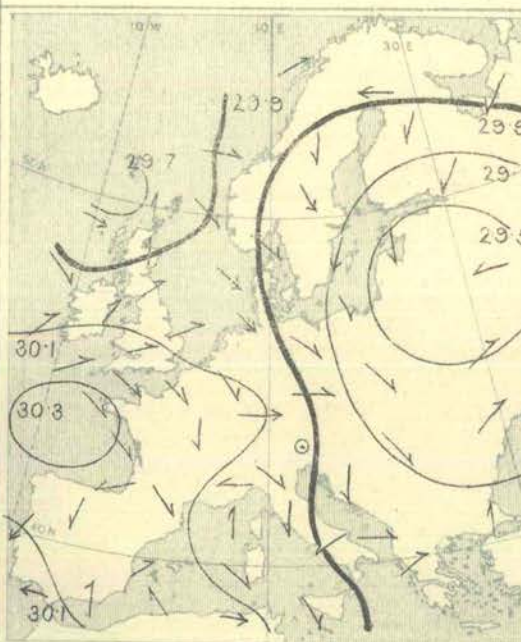
Temperature and Weather.

8 a.m.

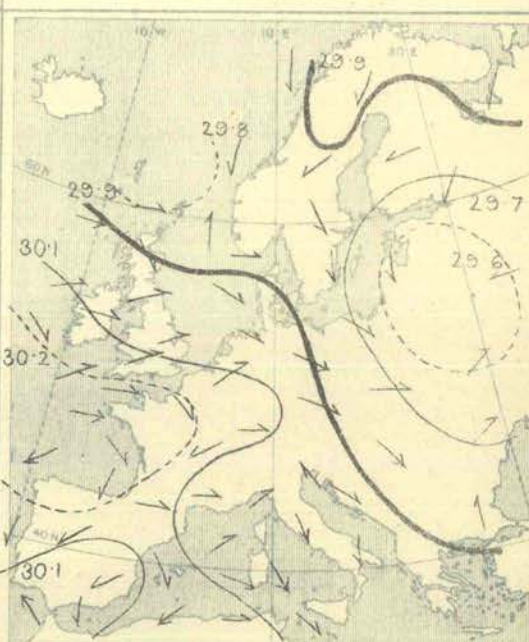


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright in the south of Russia, over the Mediterranean, and on the coast of Spain and Portugal, cloudy or overcast in most other places, rainy in many parts of central Europe, as well as in Ireland and Scotland. Showers later in nearly all parts of the United Kingdom and in Belgium, heavy over our eastern counties, and considerable at Oxford; large quantities over Austria and central Russia also.

Temperature risen a little over the British Isles and also over Russia. Highest, 70° and more over Turkey, Greece, and on the Portuguese coast, and exceeding 60° in many parts of Europe and our Islands. Lowest (1) 49° at Munich, 51° at Lyons; (2) 51° at Archangel, 52° at Bodø, Christiansund, Sumburgh Head, and Memel, 53° at Neufahrwasser. Rising later to between 69° and 71° over many parts of England, to 76° at Nice, to between 70° and 79° over Italy, and to 82° at Lisbon, 84° at Stax, and 86° at Lagnon.

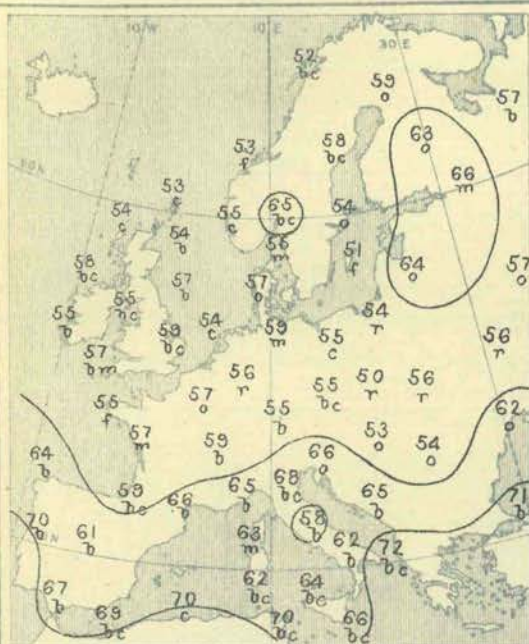
Wind (1) North-Easterly over the Iberian Peninsula, mainly North-Westerly over the Mediterranean and central Europe, Northerly over Scandinavia, (2) light Westerly over the greater part of England. Moderate to fresh from South-West and South over Ireland and Scotland. Veering to North-West and falling light in latter regions towards evening, no other decided change.

Barometer highest, 30.3 ins. and more to 30.0 ins. in a large anticyclone covering the greater part of western Europe and adjacent parts of the Atlantic. Lowest (1) 29.5 ins. and less in a large shallow depression over central and western Russia, gradients rather steep (for Northerly winds) over the Baltic, (2) 29.7 ins. off our extreme north-west coasts. Rising slowly over the Baltic during day; depression in north-west moving north-eastwards, and a "V" shaped system moving eastwards over England, fresh rise of barometer setting in over Ireland and Scotland.

Saturday, 16th June.

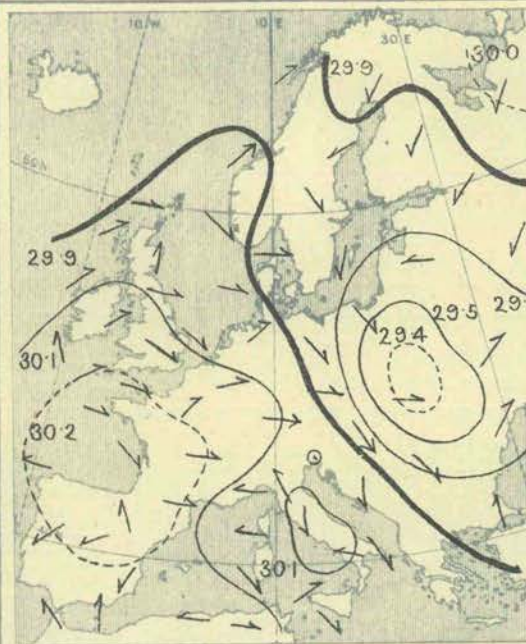
Temperature and Weather.

8 a.m.

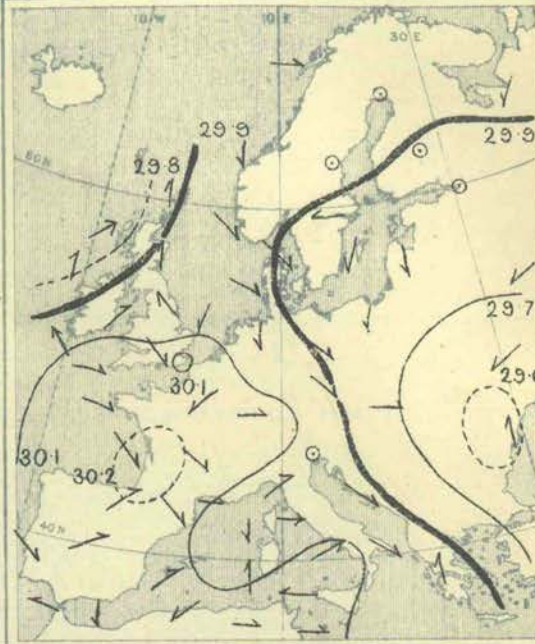


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean and south-western Europe, the British Islands, and some parts of Sweden and Norway; foggy in many parts of France, the English Channel, and Holland, rainy and very unsettled over France, central Europe, and the south of Russia. Further falls of rain later over all the last-named regions, and a fresh fall setting in over the western and extreme northern parts of the United Kingdom, and cloudiness increasing over Great Britain.

Temperature in morning highest, 70° and more (1) over the extreme south-east of Europe and at Stax, (2) on the Portuguese coast; exceeding 60° (1) over southern Europe generally, (2) over Finland and western Russia. Lowest (1) 51° at Wiesbaden and Malin Head; (2) 52° at Bodö and Parsonstown, 53° at Sumburgh Head. Rising later to between 65° and 76° over many parts of the United Kingdom, to between 70° and 80° over France, Italy, and Algeria, and to still higher values over several parts of Spain.

Wind (1) light and anticyclonic over the Bay of Biscay, the English Channel, France, and Spain; (2) southerly to south-westerly and freshening over Ireland and Scotland; (3) north-easterly to northerly and moderate over the Mediterranean, North-Westerly over eastern Germany and Austria-Hungary, South-Westerly to southerly over the south of Russia; (4) very variable over the Mediterranean. The southerly winds in Ireland and Scotland becoming stronger later and spreading eastwards; the North-Westerly wind over central Europe dying down.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. in a large anticyclone and "ridge" covering nearly the whole of western Europe, and (2) 30.0 ins. and more in the southern parts of another such system covering the north of Russia. Lowest, 29.4 ins. and less in a well-marked depression over the eastern part of central Europe, and below 30.0 ins. over the Hebrides. Russian depression moving south-eastwards later and filling up, new one approaching our north-western coasts and spreading south-eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week barometric pressure was still highest over the Atlantic, the Bay of Biscay, and south-western Europe, lowest over Scotland, the North Sea, and the Baltic, in which regions several depressions were found, while their secondaries moved in a south-easterly direction over the British Islands. Cold North-Westerly winds and rain consequently prevailed over the United Kingdom and western Europe, while Easterly breezes and unusually warm weather were felt over the extreme countries of northern Europe.

After Wednesday, however, the Atlantic high-pressure area moved somewhat to the eastward, with the result that South-Westerly winds began to prevail over western Europe, and that, although showers still fell from time to time, the temperature over the British Isles rose to something more like its summer height, the air was soft, and the sky became very bright and clear for long intervals.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 140.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	31.2	?	26	?	EASTBOURNE	40.3	?	35	?
OSWALDKIRK (Yorkshire)	22.7	?	19	?	MANCHESTER (Oldham Road)	30.8*	?	27*	?
WORKSOP	28.9	-7.9	25	-6	TENBY	39.7*	?	35*	?
THURCASTON (Leicestershire)	29.0	-8.7	25	-7	NEWQUAY	51.5	?	46	?
MARGATE	28.3	?	25	?	TORQUAY	53.8*	?	48*	?
WESTBOURNE (Sussex)	41.6*	?	36*	?	ARLEY COTTAGE (County Cavan)	33.7	?	29	?
BRIGHTON	47.3	?	42	?	GUERNSEY	56.9*	?	51*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 25.]
Third Series.

WEEK ENDING SATURDAY, JUNE 23RD, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 146.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	64	37	58.0	45.3	51.2	2 below.	Day-deg. 64	Day-deg. - 1	Day-deg. 0	Day-deg. - 1	Day-deg. 68.2	Day-deg. +113	Day-deg. 495	Day-deg. - 50
	1. SCOTLAND, EAST	69	36	61.1	44.5	52.2	3 below.	71	- 15	0	0	731	- 31	581	+ 8
	2. ENGLAND, N.E.	72	38	65.3	48.5	56.4	0 (average)	101	+10	0	0	806	+ 45	455	- 51
	3. ENGLAND, EAST.	74	44	66.2	50.4	57.8	0 (average)	111	+ 7	0	0	1040	+ 91	471	-100
	4. MIDLAND COUNTIES.	73	36	66.3	47.3	56.1	2 below.	99	- 5	0	0	1059	+ 85	483	- 79
	5. ENGLAND, SOUTH	73	43	63.2	51.4	56.9	2 below.	104	- 7	0	0	1143	+ 95	303	-119
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	64	36	59.3	46.0	52.1	3 below.	71	- 17	0	0	818	+ 16	345	- 69
	7. ENGLAND, N.W.	68	40	61.4	48.9	54.7	3 below.	89	- 7	0	0	962	+114	300	-122
	8. ENGLAND, S.W.	72	35	61.6	49.3	55.0	3 below.	91	-12	0	0	1099	+111	236	- 81
	9. IRELAND, NORTH	70	38	59.8	47.2	53.1	3 below.	78	-13	0	0	912	+ 3	334	- 33
	10. IRELAND, SOUTH	71	39	62.3	49.4	55.3	2 below.	93	- 8	0	0	1149	+ 91	217	- 67
	-CHANNEL ISLANDS	68	50	62.0	53.9	57.6	1 below.	109	+ 2	0	0	1328	+292	94	- 18

DISTRICTS. (See p. 146.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	11	4 more.	114	0	27.2	+ 5.7	22	-16	18	- 12	628	+ 94	35	+ 7
	1. SCOTLAND, EAST	4	5	1 less.	104	+13	17.8	+ 4.5	35	- 3	28	- 2	694	+ 67	36	+ 4
	2. ENGLAND, N.E.	4	4	1 less.	103	+18	12.4	+ 1.6	34	+ 1	29	+ 1	686	+ 83	33	+ 6
	3. ENGLAND, EAST.	3	2	3 less.	95	+11	11.5	+ 0.8	44	- 1	38	- 2	768	+ 18	36	+ 4
	4. MIDLAND COUNTIES.	4	2	4 less.	99	+17	11.6	- 0.6	36	- 4	31	- 4	712	+ 56	33	+ 5
	5. ENGLAND, SOUTH	4	4	1 less.	93	+12	12.1	+ 0.2	32	-12	28	- 11	825	+ 46	36	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	9	2 more.	115	+18	26.9	+ 4.9	39	- 5	33	- 4	701	+ 16	32	+ 3
	7. ENGLAND, N.W.	5	6	0 (average)	109	+20	16.7	+ 2.9	31	- 7	27	- 6	664	+ 53	33	+ 4
	8. ENGLAND, S.W.	6	5	0 (average)	107	+15	17.9	+ 0.6	23	-27	20	- 24	854	+ 42	28	+ 4
	9. IRELAND, NORTH	4	7	1 more.	119	+16	20.3	+ 5.1	30	- 8	25	- 7	661	+ 9	31	+ 2
	10. IRELAND, SOUTH	3	7	1 more.	113	+16	20.7	+ 3.2	37	- 5	32	- 4	737	- 23	34	- 1
	-CHANNEL ISLANDS	6	4	1 less.	109	+10	14.5	+ 0.3	22	-32	20	- 29	925	+ 1	43	0

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather. During the earlier part of the week the weather remained in a very unsettled, showery condition over the entire Kingdom, with heavy falls of rain at some of the northern stations. Later on, however, a decided improvement took place over the eastern, central, and southern parts of England, the weather in these districts at the close of the period being finer and warmer than for some time past. Between the 21st and 23rd fog and mist were very prevalent on our western and southern coasts.

Temperature was a little below the mean in all districts excepting England N.E. and E., where the normal was just reached. The highest readings were recorded either on the 21st, 22nd, or 23rd, when the thermometer rose to between 76° and 74° in most of the English and Irish districts. In the north and west of Scotland, however, it did not exceed 64°. The lowest readings which were observed mainly on the 18th or 19th ranged from 35° in England S.W., and 36° in Scotland E. and W., to 44° in England E., and to 50° in the Channel Islands.

Rainfall was less than the mean in nearly all the Wheat producing districts, as well as in the

Channel Islands, but considerably in excess of the normal in Scotland N. In the Grazing districts the fall was either equal to or slightly more than the mean.

Bright Sunshine showed a deficiency in all districts excepting England N.E., the difference from the average being especially great in England S.W. and the Channel Islands. The percentage of the possible duration ranged from 18 in Scotland N., and 20 in England S.W. and the Channel Islands, to 33 in Scotland W., and 38 in England E.

Barometer and Wind.—Pressure was highest over Spain, France, and the Bay of Biscay, and lowest in a series of cyclonic systems which travelled north-eastwards past our extreme west and north-west coasts. The prevailing winds were, therefore, South-Westerly (Southerly to Westerly), light or moderate in force generally, but occasionally strong at some of the more exposed western stations. During the early part of the week the main depressions were attended by secondaries which advanced directly over the Kingdom; later on, however, when the Continental anticyclone spread further to the northward, the primary systems were alone observed.

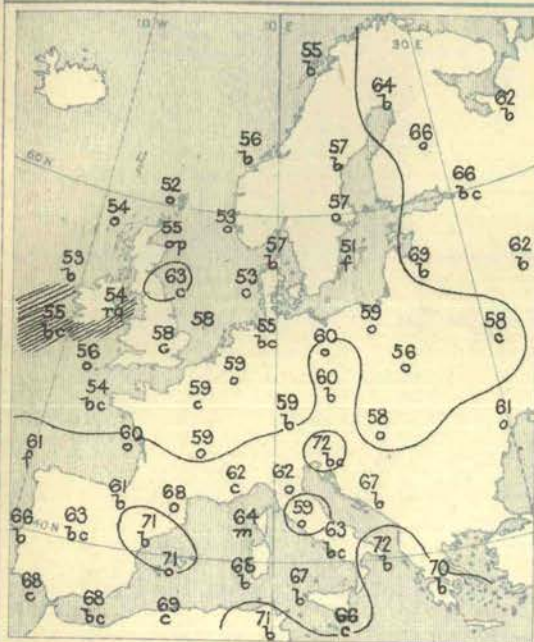
II.—DATA from which the SUMMARY on page 145 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	57	42	55.4	46.0	50.4	- 0.3	59	0	4	0.84	+0.36	*	*	*	*
	Stornoway	58	44	55.6	47.1	51.1	- 1.3	64	0	6	1.04	+0.34	25.0	-16.0	20	-12
	Wick	62	42	58.4	47.4	52.5	- 0.2	74	0	4	0.74	+0.32	*	*	*	*
	Lairg	64	37	62.5	40.6	50.8	- 2.7	67	4	6	0.79	+0.23	*	*	*	*
	Glencarron	61	41	56.8	44.4	50.2	- 2.4	57	0	5	2.13	+0.89	*	*	*	*
	Fort Augustus	62	38	59.5	44.8	51.6	- 3.1	67	0	4	0.55	+0.30	18.1	?	15	?
1. SCOTLAND, E.	Fort William	63	40	57.9	47.0	52.1	- 3.2	71	0	6	1.08	+0.10	23.7	?	19	?
	Nairn	65	40	61.9	44.4	52.5	- 3.0	74	0	5	0.69	+0.27	*	*	*	*
	Aberdeen	63	40	60.3	45.9	52.6	- 2.1	74	0	3	0.48	+0.06	42.3	- 2.4	34	- 2
	Braemar	62	36	58.2	42.3	49.7	- 3.0	54	0	4	0.44	-0.14	29.3†	††	24†	††
	Ochertyre	66	39	63.1	43.4	52.6	- 2.6	74	0	4	0.38	-0.27	*	*	*	*
	Leith	69	44	64.6	48.0	55.7	- 0.4	96	0	4	0.27	-0.19	*	*	*	*
2. ENGLAND, N.E.	Marchmont	63	37	58.7	42.9	50.3	- 4.2	58	0	3	0.44	-0.18	35.0	?	31	?
	Alnwick Castle	66	43	63.0	48.4	55.2	+ 0.6	92	0	5	0.40	-0.08	*	*	*	*
	Durham	72	33	66.2	45.5	55.1	- 1.2	92	0	4	0.50	+0.04	39.1	+ 2.1	33	+ 1
	Shields	69	42	63.9	47.0	54.9	- 0.5	90	0	4	0.43	+0.01	*	*	*	*
	Scarborough	71	45	66.8	50.1	58.3	+ 2.1	114	0	3	0.36	-0.12	*	*	*	*
	York	72	42	67.3	48.9	57.5	- 0.1	109	0	4	0.16	-0.36	*	*	*	*
3. ENGLAND, E.	Spurn Head	71	48	64.7	50.9	57.3	+ 0.8	107	0	4	0.32	-0.05	*	*	*	*
	Hillington	74	46	68.1	50.7	58.8	+ 1.0	118	0	4	0.40	-0.12	44.7	+ 0.9	38	0
	Yarmouth	70	50	61.9	51.7	56.4	- 0.8	101	0	3	0.25	-0.23	*	*	*	*
	Geldeston	72	49	66.6	50.8	58.2	+ 0.8	113	0	2	0.19	-0.20	40.9	- 7.2	36	- 7
	Cambridge	74	44	69.0	49.4	58.5	- 0.4	116	0	3	0.17	-0.35	47.7	+ 3.9	41	+ 3
	Rothamsted	70	44	65.6	49.5	57.0	- 0.8	105	0	4	0.19	-0.35	41.9	?	36	?
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall)	73	42	68.3	49.0	58.0	+ 0.1	112	0	2	0.02	-0.52	*	*	*	*
	Loughborough	73	43	68.9	47.9	57.7	- 1.6	110	0	2	0.09	-0.43	*	*	*	*
	Stanford (Ketton Hall)	72	39	67.7	45.9	56.0	- 2.8	98	0	4	0.21	-0.26	*	*	*	*
	Cheadle	67	41	62.7	47.0	54.3	- 1.2	86	0	4	0.16	-0.62	*	*	*	*
	Churchstoke	72	36	64.3	45.8	54.4	- 1.4	87	0	5	0.24	-0.26	32.9	- 7.9	23	- 8
	Hereford	73	38	67.7	46.1	56.2	- 2.2	99	0	3	0.08	-0.42	*	*	*	*
5. ENGLAND, S.	Cirencester	70	38	65.1	46.6	55.2	- 1.6	92	0	5	0.21	-0.36	37.4	- 5.1	33	- 5
	Oxford	71	43	65.3	50.1	57.2	- 1.2	106	0	3	0.23	-0.29	*	*	*	*
	London	73	48	67.9	50.6	58.7	- 1.5	117	0	3	0.38	-0.12	38.2†	- 1.0†	33†	- 2†
	North Foreland	70	49	63.6	51.4	57.1	- 0.3	106	0	3	0.34	?	*	*	*	*
	Strathfield Turgiss	72	43	65.5	50.9	57.7	- 1.2	110	0	5	0.38	-0.10	*	*	*	*
	Dungeness	63	49	60.9	52.1	56.2	- 2.3	99	0	3	0.24	-0.14	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	63	49	60.7	51.3	55.7	- 2.8	96	0	4	0.40	0.00	30.5	-19.4	27	-17
	Southampton	70	45	63.8	51.8	57.4	- 2.0	108	0	5	0.39	-0.02	30.5	-16.9	26	-16
	Hurst Castle	63	46	60.6	53.1	56.6	- 1.9	102	0	3	0.30	-0.17	*	*	*	*
	Stowell	67	44	62.4	49.7	55.6	- 2.3	95	0	5	0.51	?	*	*	*	*
	Laudale (Loch Sunart)	62	41	57.5	45.9	52.2	- 3.0	71	0	6	1.35	+0.17	*	*	*	*
	Glasgow	64	42	59.9	47.6	53.3	- 2.2	79	0	4	0.92	+0.27	39.5	+ 2.6	33	+ 2
7. ENGLAND, N.W.	Ardrossan	60	42	58.0	49.6	53.5	- 2.7	81	0	4	0.72	+0.13	*	*	*	*
	Glenlee	63	36	60.4	43.7	51.3	- 3.5	65	0	6	0.94	+0.16	*	*	*	*
	Douglas (Isle of Man)	61	38	58.5	43.3	50.4	- 5.0	59	0	6	0.55	-0.04	38.4	-11.6	33	-10
	Stonyhurst	64	43	60.9	47.6	53.8	- 2.6	83	0	4	0.79	-0.01	36.4	- 5.6	31	- 5
	Blackpool	67	46	61.7	49.7	55.3	- 1.4	93	0	4	0.65	+0.16	32.6	-10.4	23	- 8
	Manchester (Prestwich)	67	40	63.0	47.0	54.4	- 2.3	87	0	5	0.33	-0.37	28.2	?	24	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	68	48	62.6	51.6	56.7	- 1.1	103	0	5	0.64	+0.15	*	*	*	*
	Llandudno	68	43	61.5	48.7	54.7	- 3.1	89	0	5	0.41	-0.01	35.6	- 5.0	30	- 5
	Holyhead	64	44	58.7	49.0	53.5	- 4.3	81	0	6	0.75	+0.28	*	*	*	*
	Llandovery	70	35	65.0	46.0	54.8	- 3.1	90	0	7	0.55	-0.15	*	*	*	*
	Pembroke	58	48	56.3	51.3	55.6	- 2.6	81	0	5	0.49	+0.04	27.9	-26.0	24	-23
	Bristol (Montpellier)	72	44	66.2	51.4	58.3	- 0.3	114	0	4	0.49	-0.04	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	64	39	60.7	46.3	53.0	- 3.0	77	0	7	1.04	+0.21	*	*	*	*
	Cullompton	70	43	66.5	48.7	57.0	- 0.9	105	0	5	0.37	-0.21	26.4	-17.9	23	-16
	Palmouth	64	50	61.3	51.7	56.2	- 1.6	99	0	5	0.45	-0.17	15.6	-33.9	16	-31
	Plymouth	62	45	59.5	50.0	54.4	- 5.3	87	0	7	0.58	+0.09	16.5	-30.2	15	-27
	Prawle Point	60	45	57.4	48.9	52.9	- 3.5	76	0	7	0.36	-0.02	*	*	*	*
	Malin Head	60	46	56.9	48.7	52.5	- 3.1	74	0	5	0.63	?	*	*	*	*
10. IRELAND, S.	Londonderry	66	43	60.9	47.2	53.6	- 3.3	81	0	4	0.59	-0.02	*	*	*	*
	Edenfel (Omagh)	63	40	58.9	44.6	51.3	- 4.8	65	0	4	0.60	-0.02	*	*	*	*
	Behnullet	58	44	56.9	48.6	52.5	- 3.2	74	0	6	0.71	?	*	*	*	*
	Markree Castle	65	38	60.6	45.1	52.3	- 2.7	72	0	5	0.79	+0.03	30.9	- 4.4	26	- 4
	Brookeborough	65	38	60.4	46.7	53.0	- 2.4	77	0	3	0.96	+0.27	*	*	*	*
	Armagh	66	40	60.6	46.9	53.3	- 2.9	79	0	4	0.80	+0.28	27.7	-11.0	23	-10
CHANNEL ISLANDS.	Donaghadee	70	48	61.6	51.6	56.3	+ 0.7	100	0	5	0.72	+0.24	*	*	*	*
	Edgeworthstown	68	40	61.6	45.3	52.9	- 3.1	76	0	4	0.64	-0.07	*	*	*	*
	Dublin	71	45	64.6	50.6	56.1	- 2.1	99	0	4	0.59	+0.16	34.1	- 7.5	29	6
	Parsonstown	68	42	62.7	46.3	53.9	- 2.6	83	0	3	0.57	0.00	31.7	- 8.0	27	- 7
	Kilkenny	68	40	63.0	49.3	55.7	- 1.3	96	0	2	0.88	+0.37	*	*	*	*
	Waterford	66	41	62.6	48.8	55.2	- 2.7	92	0	4	0.77	+0.20	*	*	*	*
CHANNEL ISLANDS.	Roche's Point	69	45	62.4	50.9	56.3	- 1.8	100	0	4	0.33	-0.40	*	*	*	*
	Valencia	64	43	59.6	50.4	54.7	- 2.2	89	0	4	0.37	+0.08	44.6	- 0.1	39	- 0
	Killarney	68	39	62.2	47.9	54.6	- 1.9	88	0	3	1.38	?	*	*	*	*
	Foynes	65	45	60.9	51.2	55.7	- 0.8	96	0	3	0.46	?	*	*	*	*
	Scilly (St. Mary's)	61	52	60.3	53.6	56.7	- 1.0	103	0	5	0.29	-0.16	18.6	?	16	?
	Jersey	68	50	63.6	54.1	58.5	- 0.6	116	0	6	0.45	-0.02	24.6	-29.4	22	-20

Sunday, 17th June.

Temperature and Weather.

8 a.m.

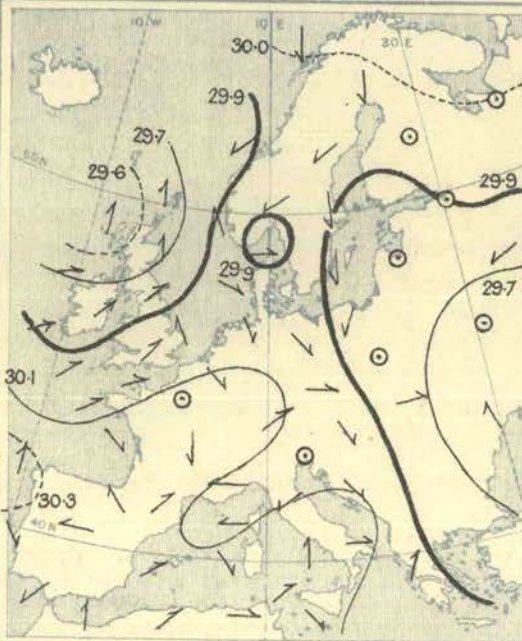


Weather in morning fine in the west and south of Ireland and also in the east of England, dull in most other parts of the United Kingdom, with rain at several of our western and northern stations. Fine over Scandinavia, Denmark, and northern and central Russia, as well as in Austria, Greece, Italy, and Spain; cloudy or overcast in the other Continental countries. Rain falling later in nearly all parts of our Islands, as well as in the Netherlands and north of France.

Temperature fallen a little in the south of England, but risen in nearly all other parts of our Islands, as well as on the Continent. Morning readings highest, 72° at Trieste and Brindisi, and 71° at Barcelona, Palma, and Sfax; above 65° at most of the Mediterranean and Adriatic stations, as well as in Finland. Lowest, (1) 50° at Malin Head, 52° at Sumburgh Head, and 53° at Ardrossan and Belmullet; (2) 51° at Wisby. Rising during day to 65° or more in several parts of the United Kingdom, and reaching 71° at York and Loughborough; exceeding 70° at many of the German and French stations, and reaching 80° or more in some parts of Spain and Italy.

Barometer and Wind.

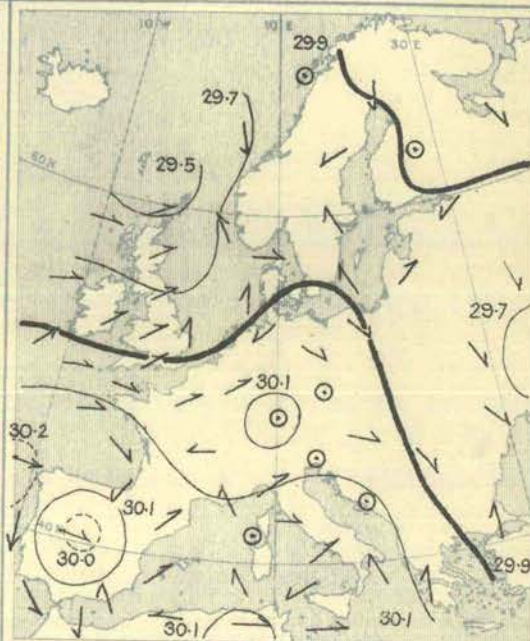
8 a.m.



Wind fresh from South-West or West in the west of our Islands, and light from the same quarters over the Channel, the Netherlands, and the north of France; light from the Southward on our north and east coasts and from South-East in the west of Norway. Northerly over Scandinavia and the Baltic, North-Westerly in Denmark and Germany, light and variable over south-eastern and eastern Europe, as well as in Algeria. Subsequently veering to the South-West in the north and east of our Islands; no decided change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in an anticyclone covering the greater part of southern Europe and the Mediterranean, and extending northwards over France and southern Germany. Lowest, 29.6 ins. and less in a well-marked depression over the west and north of Scotland and also in a shallow system over the south of Russia. Scotch depression subsequently moving slowly eastwards; shallow secondary disturbances passing across Ireland and England.

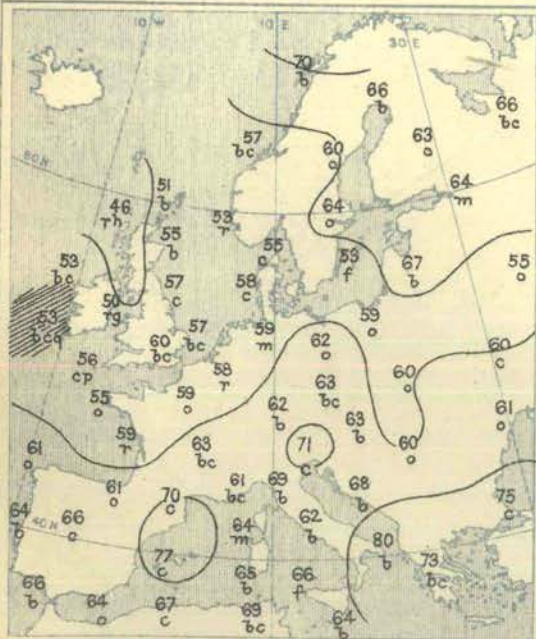
6 p.m.



Monday, 18th June.

Temperature and Weather.

8 a.m.

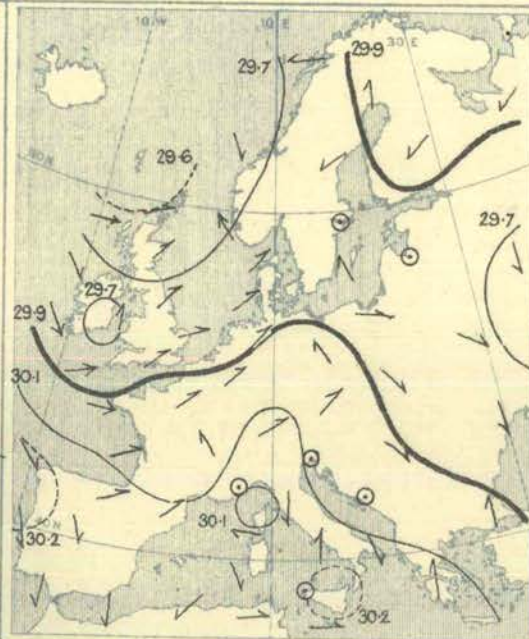


Weather in morning fine in the north and east of Great Britain, as well as in the west and south of Ireland; cloudy and rainy in most other parts of the United Kingdom, as well as in the Netherlands, and at several of the French stations. Fine and bright over southern Europe, as well as in the north of Scandinavia; cloudy in most of the central and eastern countries. Rain falling during day in nearly all parts of western, northern, and central Europe; amounts slight in our Islands, but large at some of the Continental stations.

Temperature fallen a little in most parts of our Islands, but changed irregularly elsewhere. Morning readings highest, (1) 80° at Brindisi, 77° at Palma, 75° at Constantinople; (2) 70° at Bodø and 66° at Haparanda, Archangel, and Helsingfors. Lowest, 46° at Stornoway, 45° at Malin Head, and 40° at Donaghadee; below 55° on most parts of our western and extreme northern coasts. Rising during day to between 60° and 64° over the central and southern parts of our Islands, but remaining below 60° in other parts of the Kingdom. Rising to 70° or more in Sweden and the north of Norway, to 75° or more over southern Europe generally, and to 80° or more at some of the Spanish and Italian stations.

Barometer and Wind.

8 a.m.



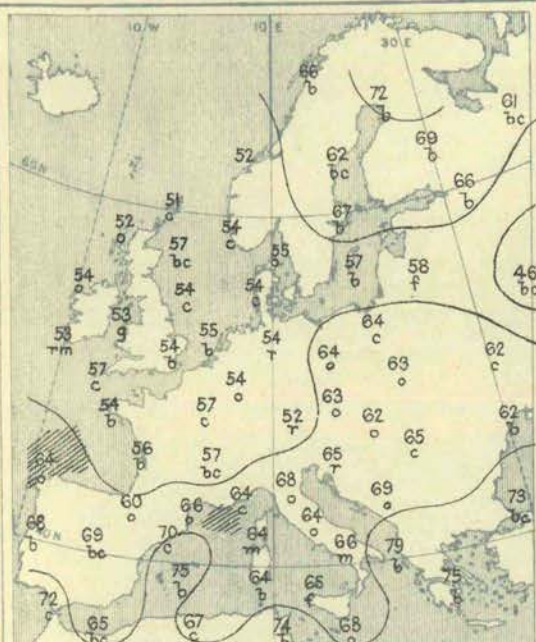
Wind North-Westerly in Ireland, but South-Westerly over Great Britain, France, Germany, and the Netherlands; strong in force on some parts of our south-west coasts. South-Easterly or Easterly in the west of Norway; light and variable over Sweden and northern Russia; light from the Northward or North-Westward over Poland and the south of Russia. Variable over southern Europe and the Mediterranean. Subsequently veering to the Westward or North-Westward in all but the south-eastern parts of the United Kingdom, but beginning to back again in Ireland in evening.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards in an anticyclone covering the greater part of southern Europe and the Mediterranean; 29.9 ins. and upwards over Lapland and northern Russia. Lowest, 29.6 ins. and less in a depression off the north of Scotland, 29.7 ins. and less in a well-marked secondary disturbance over the St. George's Channel, and also in a large shallow area over the central and southern parts of Russia. Depression over St. George's Channel subsequently advancing eastwards over England, and barometer rising briskly on our western coasts.

Tuesday, 19th June.

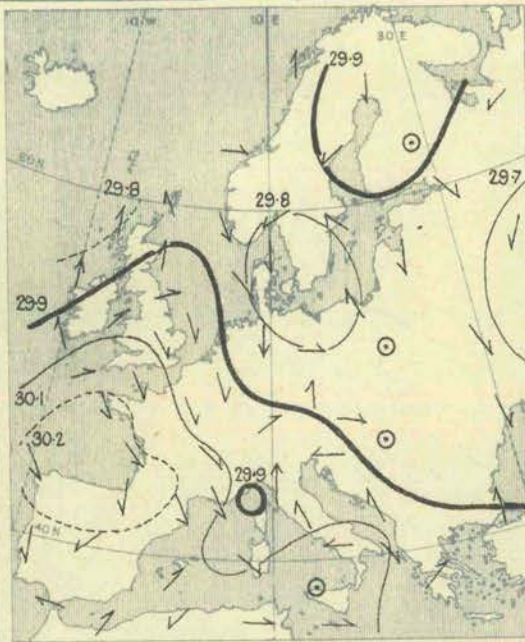
Temperature and Weather.

8 a.m.

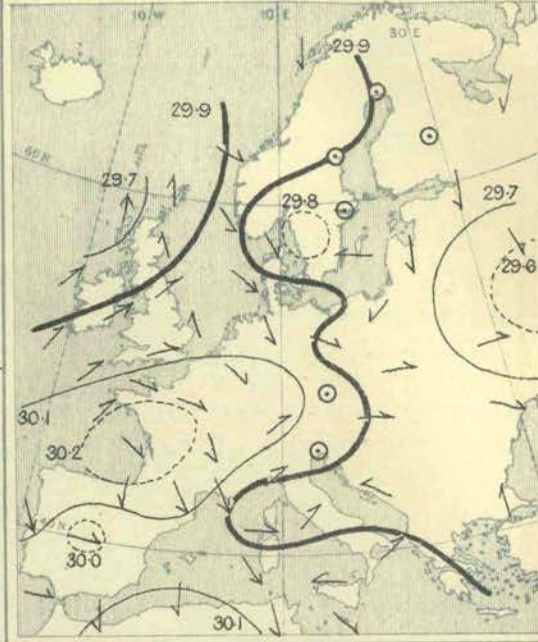


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in most parts of Great Britain, France, and Spain, as well as in Sweden and Russia; dull on our extreme north and north-west coasts, and rainy in the south of Ireland. Cloudy in Norway, Denmark, Germany, Austria, and Italy, with rain in several places. Rain falling later in all the more western and northern parts of our Islands, large quantities reported in some parts of Austria and the south of Russia, as much as 3.5 ins. at Buda-Pesth.

Temperature risen in the western and northern parts of the United Kingdom, Spain, and Italy, as well as in Sweden and Finland; fallen in most other localities. Morning readings highest, (1) 79° at Brindisi, 79° at Palma and Athens, and 74° at Tunis; (2) 72° at Haparanda and Uleaborg and 71° at Helsingfors (above 65° over Finland and the north of Scandinavia generally). Lowest, (1) 46° at Moscow; (2) 60° at Malin Head, and 51° at Sumburgh Head and Parsonstown; (3) 52° at Munich. Rising during day to between 60° and 65° in most parts of Great Britain, and to 67° at Loughborough, Cambridge, and in London. Exceeding 75° in many parts of southern Europe and reaching 93° at Madrid.

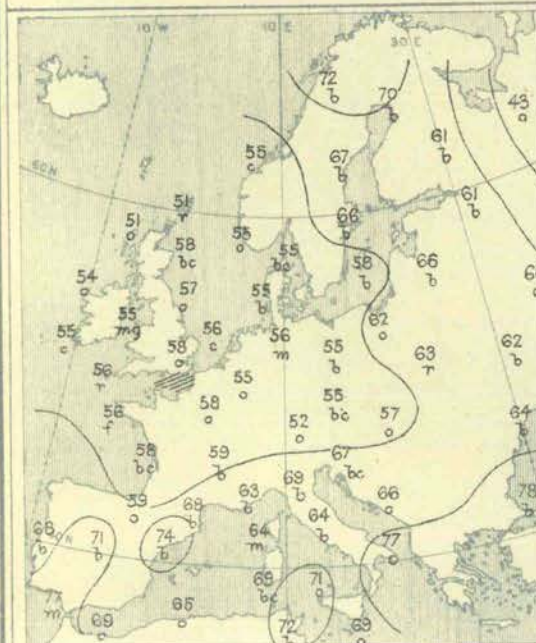
Wind Southerly or South-Westward over Ireland and Scotland and strong in force at Belmullet; light from the Westward or North-Westward over England; moderate to fresh from the North-Westward or Northward over Spain, France, the Netherlands, and the eastern shores of the North Sea. Light and variable over Scandinavia and northern Russia; Westerly in Germany; Northerly in the south of Russia. Southerly or South-Easterly over the northern parts of Italy and the Adriatic; variable in the south of Italy. Subsequently backing to the South-Westward over England, and blowing strongly from the same quarter or from South on our north-west coasts; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards over the Bay of Biscay, the north of Spain, and the south-west of France. Lowest, 29.6 ins. and less in a shallow depression over the southern parts of Russia; 29.8 ins. and less in two other systems, one lying over Denmark and the south of Sweden, and the other off the west of Scotland; 29.9 ins. and less in a small disturbance over the Gulf of Genoa. Depression off the west of Scotland subsequently spreading eastwards, and barometer falling in all parts of the United Kingdom.

Wednesday, 20th June.

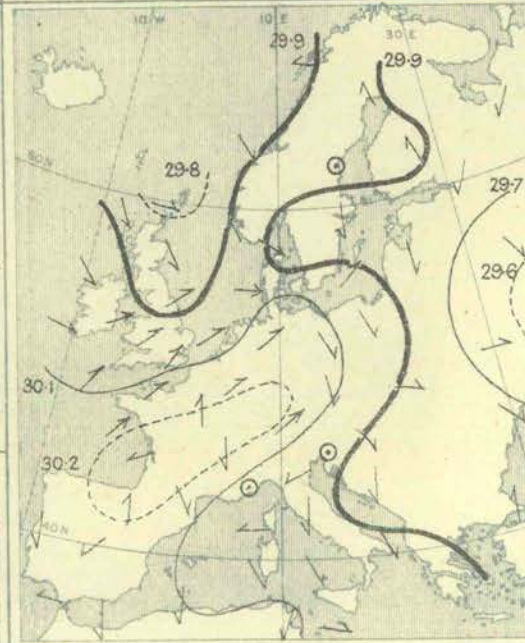
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather cloudy or overcast over the United Kingdom and its immediate neighbourhood, with fog on our south-west coasts, and with rain at several of the English stations, as well as in the Shetlands. Fine in most of the Continental countries, but dull in Poland and Austria, with rain at Warsaw. Rain falling during day over the whole of England, and also in the Netherlands, Germany, and the north of France, but improvement taking place in afternoon in the west and north of England and spreading gradually eastwards.

Temperature risen in most countries, but fallen over northern Russia and also over Germany and Austria. Morning readings highest, (1) 78° at Constantinople and 77° at Brindisi and San Fernando; (2) 72° at Bodo and 70° at Haparanda and Uleaborg (above 65° in most parts of Finland and Sweden). Lowest, (1) 43° at Archangel; (2) 51° at Sumburgh Head, Stornoway, and Malin Head; (3) 51° at Münster and 52° at Munich. Rising during day to between 65° and 68° at some of our central and south-western stations, but not exceeding 60° on our south and south-east coasts. Rising to 75° and upwards in many parts of southern Europe; reaching 97° at Cape Bearn and 93° at Madrid and San Fernando.

Wind light to moderate from the North-Westward in Ireland and Scotland, but from the South-Westward over England, the Netherlands, and the greater part of France. Light from East or South-East in the west of Norway; variable in Sweden. North-Easterly over northern Russia; North-Westward or Westerly over Denmark, Germany, Austria, and the south of Russia; chiefly Northerly in Italy, Spain, and Algeria. Subsequently veering to the Westward or North-Westward over England, but backing to the South-Westward at some of the Irish stations.

Barometer highest, 30.2 ins. and upwards over France and south Germany. Lowest, 29.6 ins. and less in a large shallow area over Russia; 29.8 ins. and less in a small depression lying to the north-eastward of Scotland. Small "V" shaped secondary disturbances passing eastwards across our Islands during day; barometer rising generally in their rear, but beginning to fall again on our south-west coasts.

Thursday, 21st June.

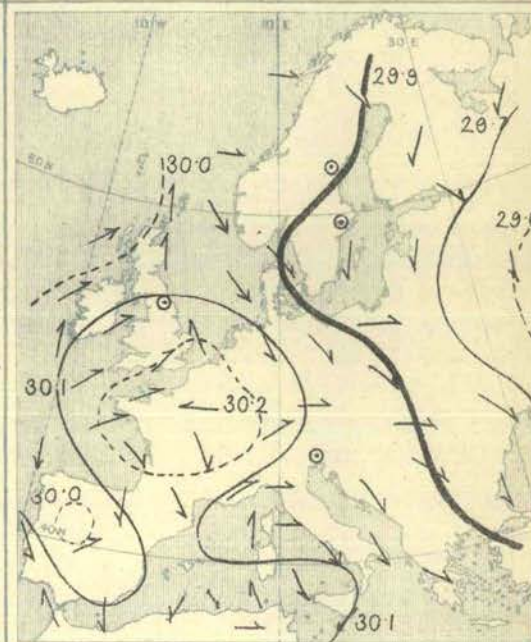
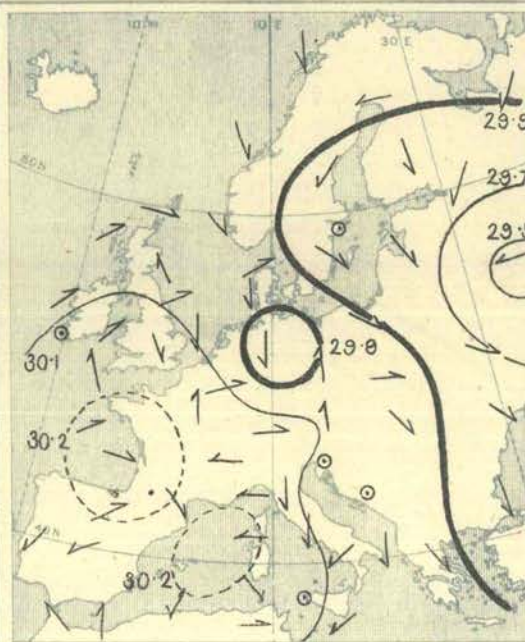
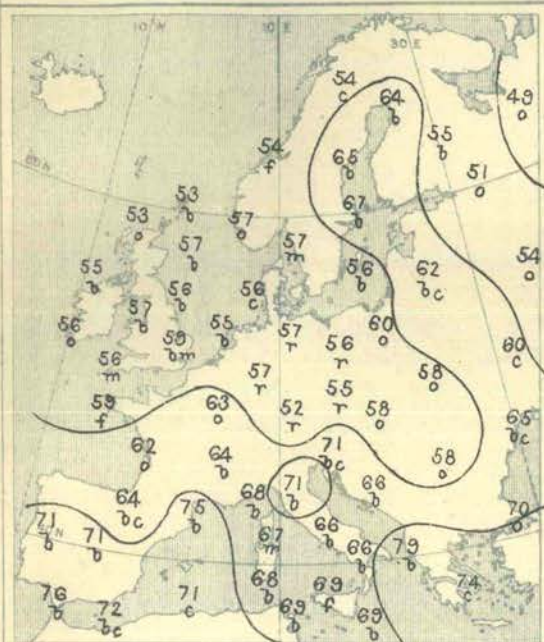
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine over the United Kingdom generally, but dull at some of our extreme western stations. Fine and bright in Sweden and Finland, and also over the greater part of southern Europe; dull in the central and eastern countries, with rain at several of the Belgian and German stations. A little rain falling later in the western parts of the United Kingdom generally, and a considerable quantity at Berlin.

Temperature fallen considerably over Finland and the north of Scandinavia, changed little and irregularly elsewhere. Morning readings highest, 79° at Brindisi, 76° at Barcelona and San Fernando and 74° at Athens; above 65° over southern Europe generally and also over the northern part of the Baltic. Lowest, (1) 49° at Archangel, 51° at St. Petersburg, and 54° at Moscow; (2) 52° at Munich; (3) 53° at York and 53° at Sumburgh Head and Stornoway. Rising during day to between 70° and 73° over the central parts of England; exceeding 80° in many parts of southern Europe, and reaching 91° at Perpignan, 93° at San Fernando, and 97° at Madrid.

Wind light to moderate from the Southward in the west and north of our Islands, but North-Westerly or Northerly in the south-east of England, as well as on the eastern shores of the North Sea. North-Easterly over the north of Russia, North-Westerly in the west and south of that country, Southerly over eastern Germany. Northerly in Italy, North-Easterly in Spain and the south of France; variable in Algeria. Subsequently backing to the Southward or South-Westward in the south-east of England, no important change occurring elsewhere. Barometer highest, 30.2 ins. and upwards in an anticyclone lying over France and the Bay of Biscay. Lowest, 29.5 ins. and less in a well-marked depression over central Russia, 29.9 ins. and less in another disturbance over north Germany. Slight fall of barometer taking place over our Islands during day, and shallow depression appearing off our extreme north-west coasts. Disturbance over north Germany entirely filling up.

Friday, 22nd June.

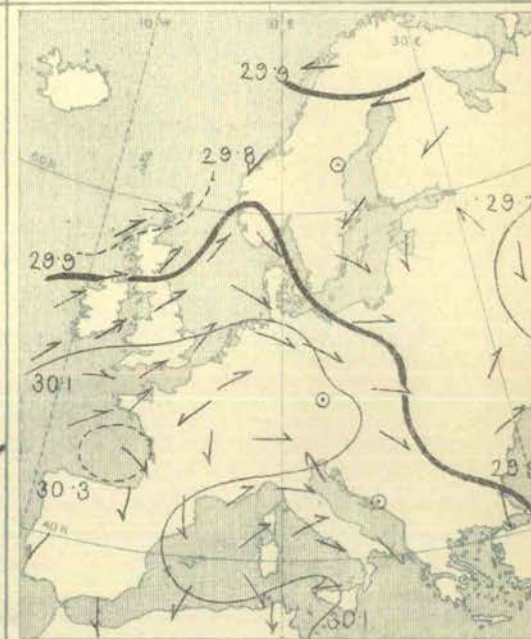
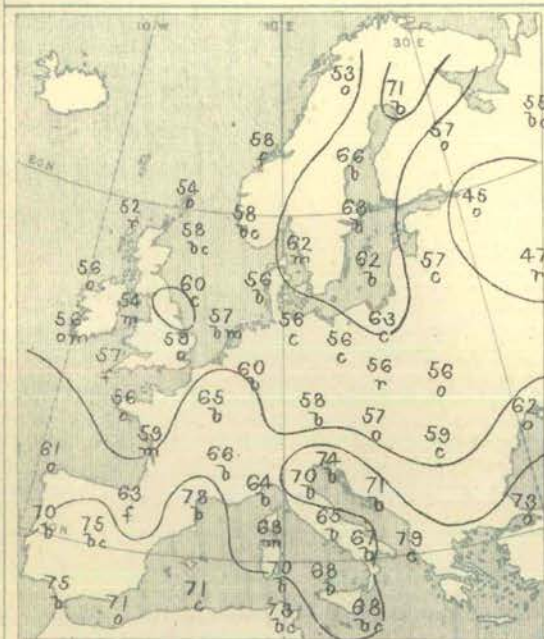
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine at several of our east coast stations, but dull in most other parts of the Kingdom, with mist or fog on our south and south-west coasts, and with rain in Ireland and the Hebrides. Fine in Sweden and also over western Germany and the greater part of southern Europe, cloudy and foggy in the west of Norway; dull at many of the Russian, German, and Austrian stations, with rain at Moscow and Vienna. Sky clearing later in many parts of our Islands, but a little rain falling in the north of Scotland, as well as at several of the Russian stations. Bright aurora seen at Wick.

Temperature risen in most of the western countries, but fallen in Russia. Morning readings highest, (1) 79° at Barcelona and Brindisi and 75° at Madrid and San Fernando; (2) 71° at Haparanda and 68° at Uleaborg (above 65° over the greater part of Sweden and Lapland). Lowest, (1) 45° at St. Petersburg and 47° at Moscow; (2) 52° at Stornoway and 54° at Sumburgh Head and Malin Head; (3) 53° at Buda-Pesth. Rising during day to between 70° and 73° over the inland parts of England; exceeding 80° in many parts of southern Europe, and reaching 91° at Perpignan and 93° at Cape Bear.

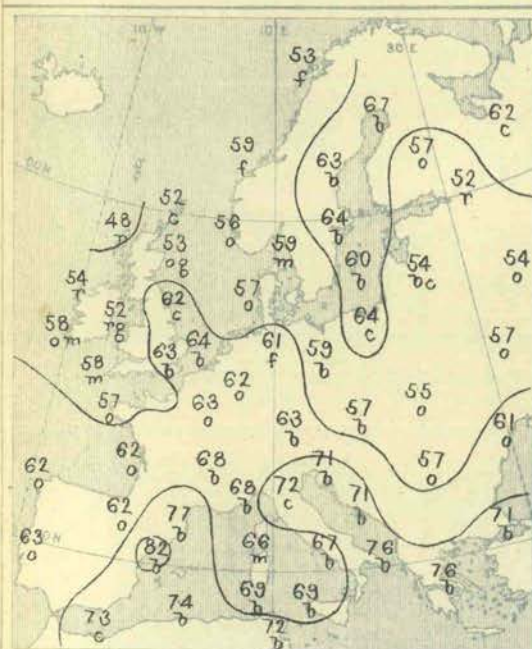
Wind light to moderate from the Southward or South-Westward over our Islands and the greater part of France. Variable in Norway; North-Easterly or Northerly over Finland and northern Russia, North-Westerly over Denmark, Germany, Austria, and the south of Russia. Light and variable over southern Europe and the Mediterranean. Subsequently veering to the Westward in many parts of the United Kingdom. No important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying over France, western Germany, and the Bay of Biscay. Lowest, 29.7 ins. and less in a large shallow depression over Russia, 29.9 ins. and less in a similar area lying off our own north and north-west coasts. Latter system moving north-eastwards later, and barometer rising a little in the western parts of our Islands generally. Russian depression filling up slowly during day.

Saturday, 23rd June.

Temperature and Weather.

8 a.m.

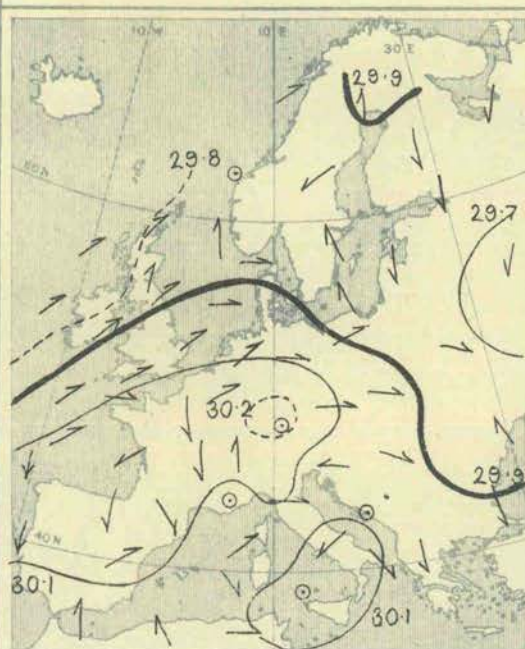


Weather cloudy in most parts of the United Kingdom, with mist or fog on our western and southern coasts, and with rain at several of our north-western stations, as well as at Roche's Point. Fine over Sweden, Germany, and the greater part of southern and south-eastern Europe; dull in the west of France and also in Denmark and Russia, with rain at St. Petersburg; foggy in the west of Norway. Rain falling later over the northern parts of our Islands generally, and also in the south-west of England.

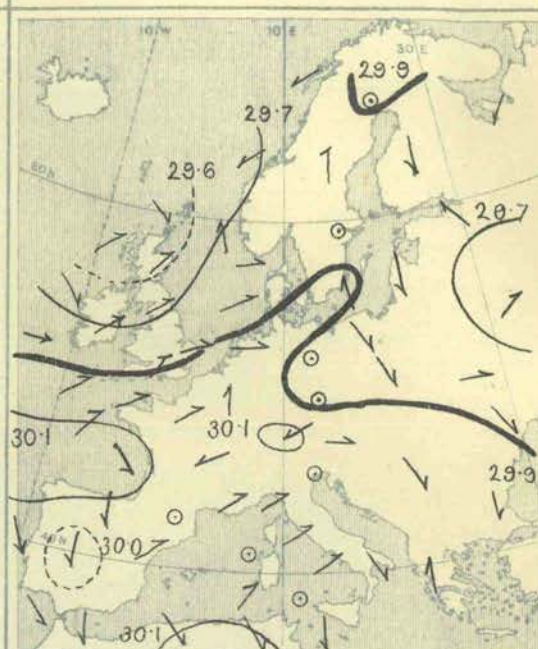
Temperature fallen a little in the west and north of our Islands, but changed irregularly elsewhere. Morning readings highest, 82° at Barcelona, 76° at Brindisi and Athens, and 75° at Patras; above 70° at several of the Mediterranean and Adriatic stations, and above 65° in Lapland. Lowest, (1) 48° at Stornoway and 52° at Sumburgh Head and Holyhead; (2) 52° at St. Petersburg and 54° at Moscow, Riga, and Cracow. Rising during day to between 70° and 73° over the eastern and central parts of England and to 80° or more in many parts of southern Europe; reaching 99° at Cape Béarn and Madrid.

Barometer and Wind.

8 a.m.



6 p.m.



Wind light to fresh from the Southward or South-Westward over our Islands and the Netherlands. Variable in Scandinavia; light from the Northward over northern Russia; light to moderate from the Westward or North-Westward in Denmark, Germany, and Austria. Northerly over the greater part of France and Spain; variable in Italy, South-Easterly or Easterly in Algeria. Subsequently veering to the Westward or North-Westward in the west of Ireland; becoming very variable over central Europe.

Barometer highest, 30.1 ins. to 30.2 ins. in a large anticyclone lying over France, Germany, Spain, and the Bay of Biscay, and also in a smaller area over the south of Italy. Lowest, 29.7 ins. and less in a large depression over central Russia; 29.8 ins. and less in another large disturbance lying over the north-western parts of our Islands. Latter disturbance subsequently moving eastwards; barometer falling briskly on our northern coasts, but beginning to rise again in the west.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of last week the barometer was highest over the southern and south-western parts of Europe, and lowest:—(1) in a series of depressions which travelled north-eastwards along the extreme north and north-west of our Islands, and (2) in a shallow area which remained fairly stationary over Russia. Light variable winds and fine warm weather were consequently reported over the more southern countries, while Southerly to Westerly winds were prevalent in the south-west of Europe, and Northerly winds over Russia and Austria, the weather over latter regions being mostly cloudy and unsettled. During the early part of the week the depressions off our north and north-west coasts were attended by secondary disturbances which advanced eastwards over the United Kingdom, but, towards the latter part of the week, when the southern high-pressure extended northward over France, the main depressions were alone observed, and the weather over England showed marked signs of improvement.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 146.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	29.4	?	24	?	EASTBOURNE	34.3	?	30	?
OSWALDKIRK (Yorkshire)	28.7	?	24	?	MANCHESTER (Oldham Road)	23.0*	?	21*	?
WORKSOP	30.6	-5.0	26	-4	TENBY	28.0*	?	24*	?
THURCASTON (Leicestershire)	41.7	+5.3	36	+4	NEWQUAY	16.7	?	15	?
MARGATE	31.5	?	28	?	TORQUAY	25.6*	?	23*	?
WESTBOURNE (Sussex)	29.5*	?	26*	?	ARLEY COTTAGE (County Cavan)	30.9	?	26	?
BRIGHTON	30.3	?	27	?	GUERNSEY	23.9*	?	21*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

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VOL. XI. No. 26.]
Third Series.

WEEK ENDING SATURDAY, JUNE 30TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Mean for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The Means with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The Mean Amounts are those for the corresponding periods in the twenty-five years 1866-90, but the Mean numbers of Rainy Days are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The Mean Values employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 152.)		Temperature of the Air.													
		Observed during the Week.					Accumulated.								
		Highest.	Lowest.	Averages of			Above or below the Mean for the Week.	For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	86	40	67.4	51.5	58.9	5 above.	Day-deg. 118	Day-deg. +49	Day-deg. 0	Day-deg. -1	Day-deg. 800	Day-deg. +102	Day-deg. 495	Day-deg. -51
	1. SCOTLAND, EAST	83	38	65.6	60.5	58.5	3 above.	116	+25	0	0	847	-6	581	+8
	2. ENGLAND, N.E.	83	43	65.3	51.4	57.8	1 above.	111	+13	0	0	917	+58	455	-51
	3. ENGLAND, EAST.	84	45	68.9	50.7	59.2	0 (average)	120	+8	0	0	1160	+99	474	-100
	4. MIDLAND COUNTIES.	86	42	72.2	51.7	61.3	3 above.	135	+25	0	0	1194	+110	483	-79
5. ENGLAND, SOUTH	84	46	71.2	53.7	61.8	2 above.	139	+21	0	0	1282	+116	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	81	45	69.3	52.5	60.4	4 above.	120	+36	0	0	948*	+53	345	-69
	7. ENGLAND, N.W.	81	49	69.5	53.4	60.9	3 above.	132	+30	0	0	1094	+144	300	-122
	8. ENGLAND, S.W.	83	46	69.5	54.2	61.3	3 above.	135	+26	0	0	1234	+137	236	-81
	9. IRELAND, NORTH	83	44	69.2	52.7	60.4	4 above.	129	+34	0	0	1041	+37	334	-33
	10. IRELAND, SOUTH	79	46	69.4	51.7	61.5	4 above.	137	+31	0	0	1286	+122	217	-67
	—CHANNEL ISLANDS	78	50	66.4	56.2	60.9	2 above.	132	+19	0	0	1460	+221	94	-18

DISTRICTS. (See p. 152.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	10ths of in. 1	10ths of ins. 7 less.	115	-3	27.3	+5.0	51	+23	41	+19	679	+117	35	+5
	1. SCOTLAND, EAST	1	less than 1	6 less.	105	+11	17.8	+3.9	50	+3	41	+2	744	+70	38	+3
	2. ENGLAND, N.E.	2	1	4 less.	105	+17	12.5	+1.2	55	+18	47	+15	741	+100	33	+4
	3. ENGLAND, EAST.	0	—	5 less.	95	+9	11.5	+0.3	65	+20	56	+16	833	+37	37	+2
	4. MIDLAND COUNTIES.	0	—	5 less.	99	+14	11.6	-1.2	61	+22	53	+19	773	+78	34	+4
5. ENGLAND, SOUTH	0	—	5 less.	93	+10	12.1	-0.2	76	+33	67	+28	901	+79	38	+4	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	1	7 less.	117	+16	27.0	+4.2	52	+10	44	+8	753	+26	33	+1
	7. ENGLAND, N.W.	2	2	4 less.	111	+19	16.9	+2.5	59	+19	50	+15	723	+72	34	+3
	8. ENGLAND, S.W.	0	—	6 less.	107	+13	17.9	0.0	67	+16	59	+14	921	+58	29	+2
	9. IRELAND, NORTH	1	2	4 less.	120	+13	20.5	+4.6	50	+15	43	+13	711	+24	31	+1
	10. IRELAND, SOUTH	1	less than 1	6 less.	114	+14	20.7	+2.6	50	+10	43	+9	787	-13	34	-1
	—CHANNEL ISLANDS	0	—	5 less.	109	+7	14.5	-0.2	72	-25	64	+22	967	+27	44	+1

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this week was warm, dry, and very fine over almost the whole of the Kingdom. Slight rain fell, however, at many of our western stations during the first day or two, and dense fog was experienced on our eastern coasts during the latter part of the period.

Temperature was above the mean in all districts excepting England E., the excess ranging from 5° in Scotland N., to 2° in England S., and the Channel Islands, and to 1° in England N.E. The highest of the maxima were registered on the last day of the period, when the thermometer rose to 86° in the Midland Counties and Scotland N., to 84° in England S. and E., and to between 81° and 83° in most other districts. The lowest of the minima were recorded during the earlier days of the week, and ranged from 38° in Scotland E. and 40° in Scotland N., to 49° in England N.W., and to 50° in the Channel Islands.

Rainfall was much below the mean. Over nearly all our southern and eastern districts there was an entire absence of rain throughout the period.

Bright Sunshine was much more prevalent than of late, and exceeded the mean in all districts. The percentage of the possible duration ranged from 41 in Scotland N. and E. and 43 over Ireland, to 59 in England S.W., 64 in the Channel Islands, and 67° in England S.

Barometer and Wind.—Soon after the commencement of the period an anticyclone advanced over our Islands from the Atlantic, and remained during the latter part of the time almost stationary over the north-eastern parts of Great Britain. Light winds from the Westward and South-Westward were prevalent at the opening of the week, but a breeze from the Eastward subsequently set in on nearly all our coasts, and blew somewhat freshly in the south-east and south.

II.—DATA from which the SUMMARY on page 151 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	69	45	62.9	50.4	56.2	+ 5.3	99	0	2	0.05	-0.43	*	*	*	*
	Stornoway	74	45	66.3	53.0	59.2	+ 6.1	120	0	1	0.05	-0.65	62.4	+23.2	50	+19
	Wick	71	42	64.9	50.1	57.0	+ 3.4	105	0	1	0.05	-0.39	*	*	*	*
	Lairg	86	43	72.1	52.4	61.6	+ 7.3	137	0	2	0.23	-0.36	*	*	*	*
	Glencarron	84	40	71.5	50.9	60.5	+ 7.2	130	0	1	0.10	-1.17	*	*	*	*
	Fort Augustus	75	41	65.5	50.7	57.6	+ 2.1	109	0	1	0.07	-0.53	35.5	?	29	?
1. SCOTLAND, E.	Fort-William	78	43	68.8	52.7	60.1	+ 4.2	127	0	1	0.02	-1.00	55.2	?	45	?
	Nairn	72	40	63.9	49.7	57.7	+ 1.4	110	0	1	0.07	-0.38	*	*	*	*
	Aberdeen	68	43	63.3	49.7	56.0	+ 0.3	98	0	0	0.03†	-0.44	46.0	+ 3.0	37	+ 2
	Braemar	80	38	68.9	50.8	59.2	+ 5.7	120	0	0	—	-0.60	51.5†	?	42†	?
	Ochtertyre	83	43	72.4	51.3	61.1	+ 5.1	134	0	1	0.01	-0.67	*	*	*	*
	Leith	74	48	66.7	50.9	58.3	+ 1.2	114	0	1	0.01	-0.51	*	*	*	*
2. ENGLAND, N.E.	Marchmont	77	43	67.3	50.6	58.4	+ 3.0	115	0	0	—	-0.67	49.3	?	41	?
	Alnwick Castle	65	45	63.3	50.1	56.2	+ 0.6	99	0	3	0.08	-0.45	*	*	*	*
	Durham	80	43	69.1	51.0	59.4	+ 2.0	122	0	1	0.06	-0.45	54.7	+18.3	46	+15
	Shields	64	47	61.7	50.1	55.5	- 1.0	95	0	1	0.07	-0.39	*	*	*	*
	Scarborough	68	46	64.2	52.6	58.0	+ 0.6	112	0	3	0.12	-0.38	*	*	*	*
	York	83	45	72.7	52.3	61.8	+ 3.4	139	0	1	0.02	-0.50	*	*	*	*
3. ENGLAND, E.	Spurn Head	64	49	60.9	52.3	56.1	- 1.6	99	0	1	0.04	-0.32	*	*	*	*
	Hillington	77	45	67.8	49.6	58.1	- 0.7	113	0	1	0.04	-0.53	63.9	+21.1	55	+17
	Yarmouth	67	50	63.9	53.1	58.1	- 0.1	113	0	0	—	-0.50	*	*	*	*
	Geldeston	72	46	67.3	49.5	57.8	- 0.9	111	0	0	—	-0.44	64.4	+17.4	56	+14
	Cambridge	84	45	74.0	49.9	61.1	+ 1.3	134	0	0	—	-0.64	62.5	+19.5	51	+16
	Rothamsted	79	47	71.6	51.2	60.7	+ 1.9	131	0	0	—	-0.58	68.4	?	59	?
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall)	86	43	73.9	51.0	61.7	+ 2.5	138	0	1	0.01	-0.56	*	*	*	*
	Loughborough	82	42	74.1	50.4	61.4	+ 1.1	136	0	0	—	-0.52	*	*	*	*
	Stamford (Ketton Hall)	82	46	73.4	51.3	61.6	+ 1.8	137	0	0	—	-0.52	*	*	*	*
	Cheadle	78	47	69.9	51.8	60.2	+ 3.8	127	0	1	0.01	-0.67	*	*	*	*
	Churchstoke	78	45	69.8	51.3	59.9	+ 3.3	125	0	0	—	-0.54	58.2	+18.0	50	+15
	Hereford	81	48	73.1	52.7	62.2	+ 2.9	141	0	0	—	-0.50	*	*	*	*
5. ENGLAND, S.	Cirencester	79	48	71.3	52.4	61.2	+ 3.6	134	0	0	—	-0.58	63.8	+22.3	55	+13
	Oxford	81	49	72.3	53.0	62.0	+ 2.6	140	0	0	—	-0.52	65.6	+23.1	57	+20
	London	82	48	75.4	53.7	63.8	+ 2.5	153	0	0	—	-0.52	74.7†	+36.3†	65†	+30†
	North Foreland	73	50	65.1	54.4	59.4	+ 0.9	122	0	0	—	?	*	*	*	*
	Strathfield Turgiss	81	46	74.1	51.6	62.1	+ 2.2	141	0	0	—	-0.49	*	*	*	*
	Dungeness	70	48	66.3	53.9	59.7	+ 0.2	124	0	0	—	-0.39	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	79	48	63.6	53.3	60.9	+ 1.4	132	0	0	—	-0.40	73.3	+30.3	70	+27
	Southampton	84	49	76.5	54.4	64.7	+ 4.6	159	0	0	—	-0.42	79.8	+33.6	71	+28
	Hurst Castle	79	53	71.3	56.0	63.1	+ 3.5	148	0	0	—	-0.49	*	*	*	*
	Stowell	79	47	70.9	52.3	61.0	+ 2.1	133	0	0	—	?	*	*	*	*
	Laudale (Loch Sunart)	81	45	67.8	52.9	60.8	+ 4.9	132	0	3	0.11	-1.09	*	*	*	*
	Glasgow	81	47	68.7	52.2	59.9	+ 3.6	125	0	1	0.03	-0.67	48.8	+13.0	40	+10
7. ENGLAND, N.W.	Ardrossan	81	49	68.6	52.7	60.4	+ 3.6	129	0	2	0.02	-0.58	*	*	*	*
	Glenlee	80	45	71.2	51.7	60.8	+ 5.3	132	0	1	0.07	-0.74	*	*	*	*
	Douglas (Isle of Man)	76	48	68.4	52.3	60.1	+ 4.1	127	0	2	0.20	-0.35	55.3	+ 6.5	47	+ 5
	Stonyhurst	78	50	68.7	52.7	60.1	+ 2.8	127	0	2	0.27	-0.59	61.0	+22.2	53	+18
	Blackpool	81	49	70.5	51.9	60.6	+ 3.1	130	0	2	0.31	-0.22	53.7	+11.7	45	+11
	Manchester (Prestwich)	80	50	70.9	52.7	61.2	+ 3.7	134	0	2	0.14	-0.60	60.0	?	51	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	80	52	71.0	54.7	62.3	+ 3.6	142	0	1	0.21	-0.32	*	*	*	*
	Llandudno	78	52	68.3	55.4	61.4	+ 2.7	136	0	1	0.18	-0.29	61.7	+22.2	53	+19
	Holyhead	76	50	67.3	53.0	59.7	+ 2.2	124	0	1	0.07	-0.41	*	*	*	*
	Llandovery	83	48	73.7	52.4	62.3	+ 3.7	142	0	2	0.03	-0.72	*	*	*	*
	Pembroke	75	50	65.7	55.3	60.1	+ 3.1	127	0	0	—	-0.47	57.4	+ 5.4	50	+ 4
	Bristol (Montpelier)	83	51	73.6	53.9	63.1	+ 3.5	148	0	0	—	-0.57	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	78	49	69.3	53.6	60.9	+ 4.0	132	0	1	0.31	-0.68	*	*	*	*
	Cullington	80	46	73.2	52.8	62.3	+ 3.6	142	0	0	—	-0.60	61.3	+18.2	54	+16
	Falmouth	68	50	65.3	55.1	59.8	+ 1.1	125	0	0	—	-0.64	67.3	+15.9	61	+14
	Plymouth	76	48	69.0	55.8	61.9	+ 1.6	139	0	0	—	-0.52	70.7	+24.9	61	+21
	Prawle Point	70	51	66.1	54.6	60.0	+ 2.7	126	0	0	—	-0.42	*	*	*	*
	Malin Head	74	43	63.3	53.4	58.0	+ 2.1	112	0	2	0.14	?	*	*	*	*
10. IRELAND, S.	Londonderry	83	46	73.7	52.6	62.4	+ 4.9	143	0	1	0.25	-0.39	*	*	*	*
	Edenfel (Omagh)	80	45	70.7	52.1	60.8	+ 4.1	132	0	1	0.40	-0.25	*	*	*	*
	Belmullet	79	49	70.1	54.4	61.7	+ 5.3	138	0	1	0.25	?	*	*	*	*
	Markree Castle	77	44	72.1	51.1	60.9	+ 5.2	132	0	2	0.19	-0.60	50.6	+16.9	43	+15
	Brookeborough	78	45	70.1	52.0	60.4	+ 4.7	129	0	1	0.26	-0.44	*	*	*	*
	Armagh	75	46	68.9	49.9	58.7	+ 1.8	117	0	1	0.18	-0.37	49.2	+12.2	42	+10
CHANNEL ISLANDS.	Donaghadee	69	54	66.1	55.6	60.5	+ 4.1	140	0	2	0.23	-0.27	*	*	*	*
	Edgeworthstown	75	44	68.2	53.3	60.2	+ 3.5	127	0	2	0.30	-0.42	*	*	*	*
	Dublin	73	49	67.7	54.1	60.4	+ 1.5	129	0	2	0.12	-0.43	55.9	+15.9	48	+15
	Parsonstown	79	47	71.1	51.6	60.7	+ 3.5	131	0	1	0.04	-0.55	41.9	+ 3.9	36	+ 3
	Kilkenny	76	47	70.0	53.6	61.2	+ 3.5	134	0	1	0.02	-0.49	*	*	*	*
	Waterford	77	46	70.4	53.2	61.6	+ 3.0	137	0	0	—	-0.59	*	*	*	*
CHANNEL ISLANDS.	Roche's Point	72	48	66.9	55.4	60.8	+ 2.1	132	0	1	0.01	-0.71	*	*	*	*
	Valencia	77	53	69.3	57.1	62.8	+ 5.3	146	0	2	0.11	-0.71	51.5	+ 9.3	45	+ 8
	Killarney	76	49	69.1	54.6	61.4	+ 4.2	136	0	1	0.04	?	*	*	*	*
	Foynes	77	53	70.7	57.0	63.4	+ 5.9	150	0	1	0.05	?	*	*	*	*
	Scilly (St. Mary's)	66	53	63.7	56.0	59.6	+ 1.1	123	0	0	—	-0.49	67.6	?	60	?
	Jersey	78	50	69.0	56.3	62.2	+ 2.3	141	0	0	—	-0.49	78.4	+25.5	79	+22

Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *s* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

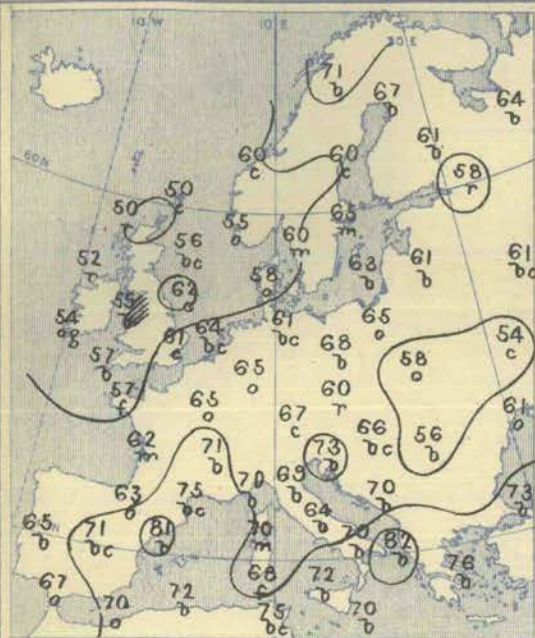
† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnhill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

‡ Fog or dew.

Sunday, 24th June.

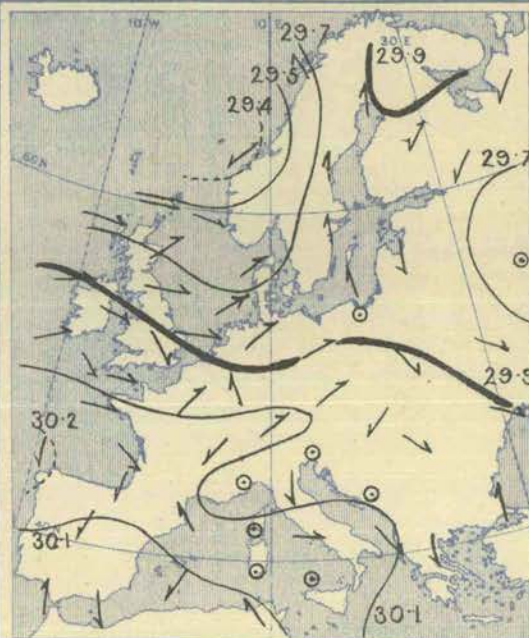
Temperature and Weather.

8 a.m.

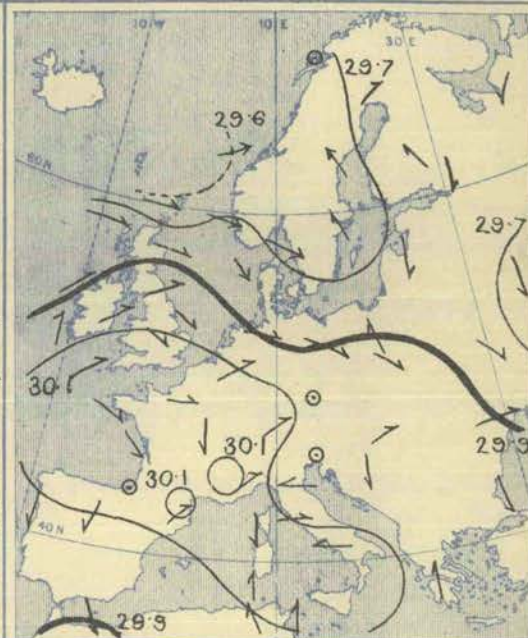


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean and southern Europe generally, as well as over the greater part of the British Islands, Lapland, and the north of Russia; cloudy and rather unsettled elsewhere, with rain at several of the Irish and Scotch stations, as well as at Prague. Some showers later over the west and north of our Islands and many parts of northern and central Europe, with hail and thunder at Wick, remaining fine over England as a whole.

Temperature risen over the greater part of the Continent. Morning readings highest, 82° at Brindisi, 81° at Barcelona, and exceeding 70° at many of the stations over the southern countries, as well as at Bodö (Finmark); exceeding 60° over the greater part of the Continent (including Lapland and north of Russia) and in some parts of our Islands. Lowest, 50° at Sumburgh Head and Stornoway, 52° at Malin Head and Parsonstown. Rising later to 57° at Perpignan, to between 75° and 80° over Germany, and to between 60° and 67° in many parts of the United Kingdom, succeeding night cool over England.

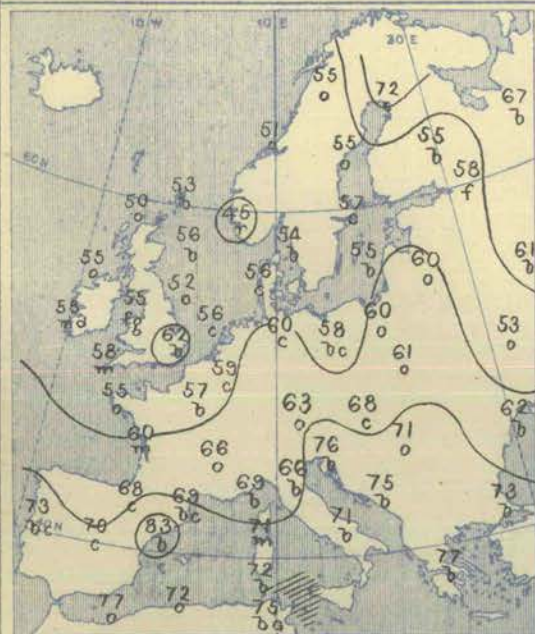
Wind moderate to fresh from the Westward and North-Westward over the British Islands, from South-West on the eastern shores of the North Sea, from between South and East over the northern parts of Scandinavia, Northerly to North-Westerly, light, over Finland and the Baltic Provinces, North-Westerly over the southern half of Russia; Northerly over Spain, but very light and variable over the other southern regions and the Mediterranean. Backing to South-West and South in Ireland later, but not freshening.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. in a high-pressure band spreading in from the Atlantic over the western and southern parts of Europe; (2) 29.9 ins. and more in the far north. Lowest, 29.4 ins. and less in a depression off the west of Norway, and 29.7 ins. and less in another (shallow one) over central Russia. Falling in Ireland later, rising over Great Britain.

Monday, 25th June.

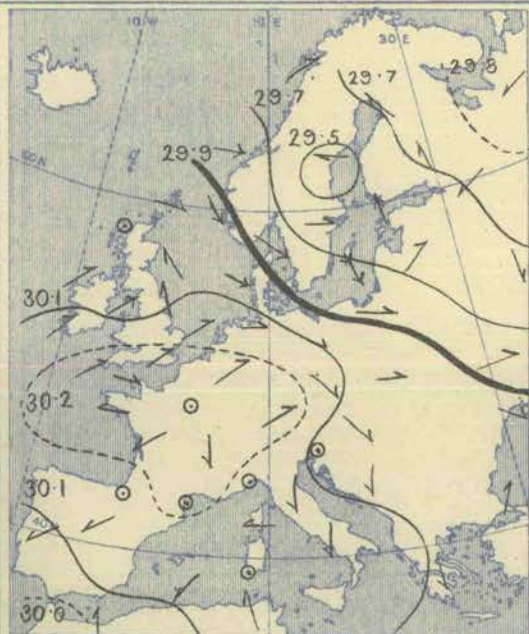
Temperature and Weather.

8 a.m.

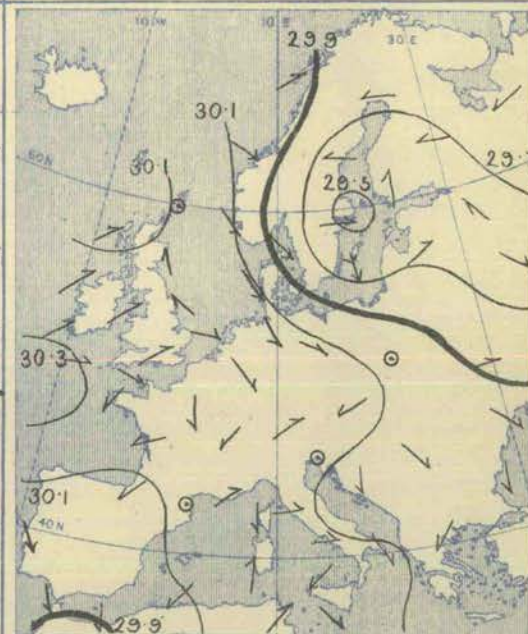


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over England, France, and the western half of Germany, very fine over the Mediterranean and south-eastern Europe, dull and unsettled elsewhere, with rain in some parts of Ireland and Norway and also in Austria-Hungary. A little rain later in Ireland and the west of Norway, as well as at Lisbon; clouds increasing over England.

Temperature highest, (1) 70° and more at all stations on the southern side of the Mediterranean and on the shores of the Adriatic, 73° at Lisbon, 70° at Madrid; (2) 67° to 72° over Lapland and the north of Russia. Lowest, 49° at Skudesnaes, 50° at Stornoway, 51° at Leith and Christiansund, 52° at Shields. Rising later to 70° and more in some of the north-eastern and south-eastern parts of England, and touching 74° at Paris, 77° in London, at Lyons, and Biarritz, and 88° at Lisbon.

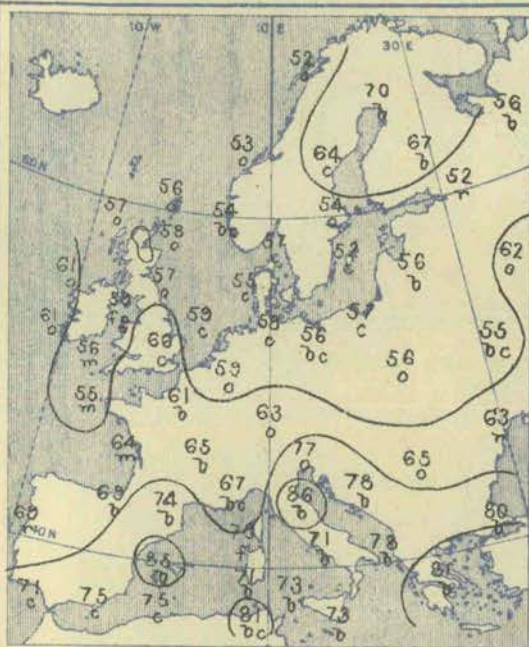
Wind (1) light and very variable over the Mediterranean, North-Easterly over the Spanish Peninsula, anticyclonic over France; (2) Westerly to South-Westerly over England and Ireland, South-Easterly to Easterly in the north of Scotland; (3) Westerly and North-Westerly, strong to a gale, over the southern half of Scandinavia, Westerly, moderate, over eastern Germany, but South-Easterly, moderate to light, over Finland, Easterly over the north of Sweden.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. in an anticyclone of irregular form covering central and western Europe and adjacent parts of the Mediterranean, (2) 29.5 ins. and more in the north of Russia. Lowest, (1) 29.5 ins. and less in a depression over Sweden and the Gulf of Bothnia, and (2) below 29.0 ins. off our extreme north-west coasts. Rising over our Islands later, falling over France.

Tuesday, 26th June.

Temperature and Weather.

8 a.m.

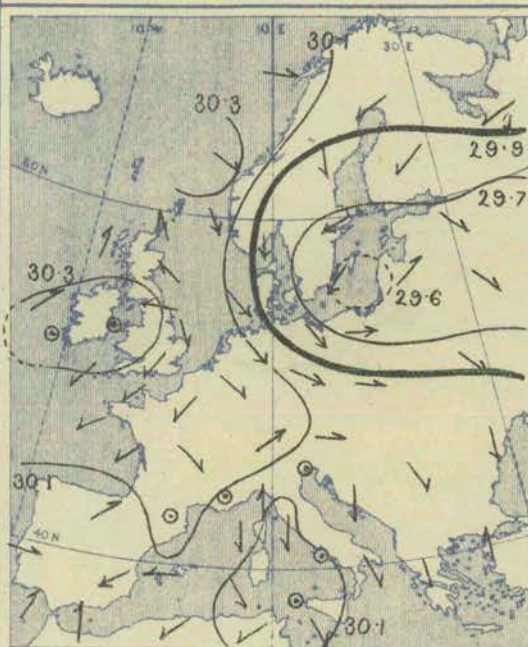


Weather in morning fine and bright over the south and a great deal of the extreme north of Europe; dull, gloomy, and quiet over the British Islands, with fog and haze at many stations; dull and unsettled over the Baltic, Germany, and Russia, with rain in places. A little rain at Stockholm and Sumburgh Head later, but weather fine over western Europe as a whole, gloomy over the south-east of England till night.

Temperature in morning highest, 86° at Pesaro, 85° at Barcelona and Palma, 81° at La Calle, and exceeding 70° over the south of Europe as a whole, 70° at Haparanda and Uleaborg also; exceeding 60° over Ireland and England, but lower over the Baltic and Germany. Lowest, 52° at Wisby and St. Petersburg, 53° at Breslau, 54° at Stockholm and Cracow, 55° at Swinemünde and Fano. Rising later to between 70° and 75° in several parts of our Islands and at Wiesbaden, to 75° at Paris, and 87° at Perpignan.

Barometer and Wind.

8 a.m.



Thursday, 28th June.

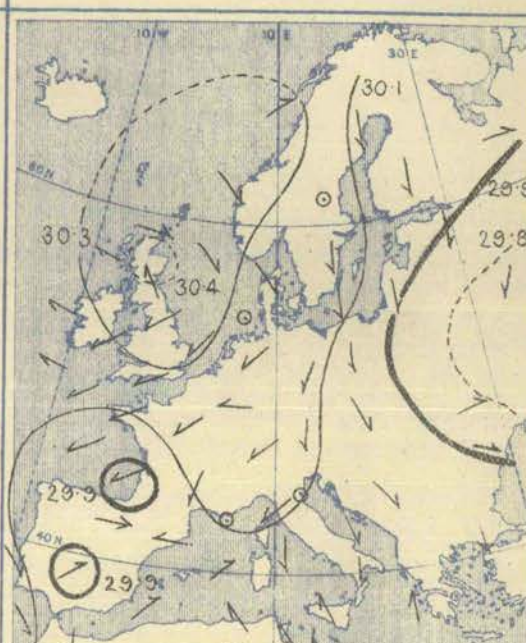
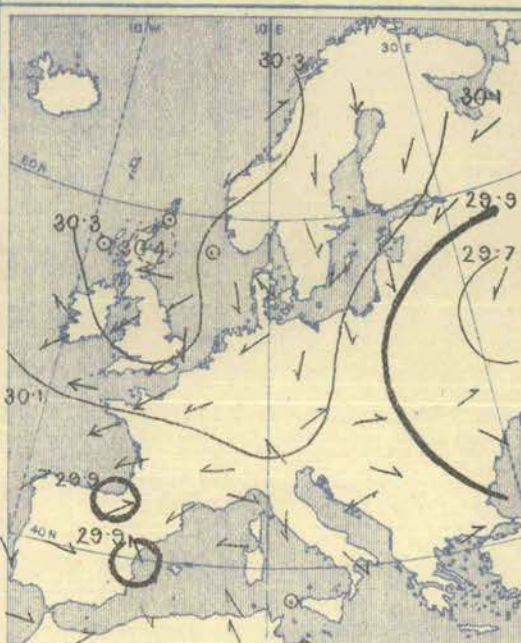
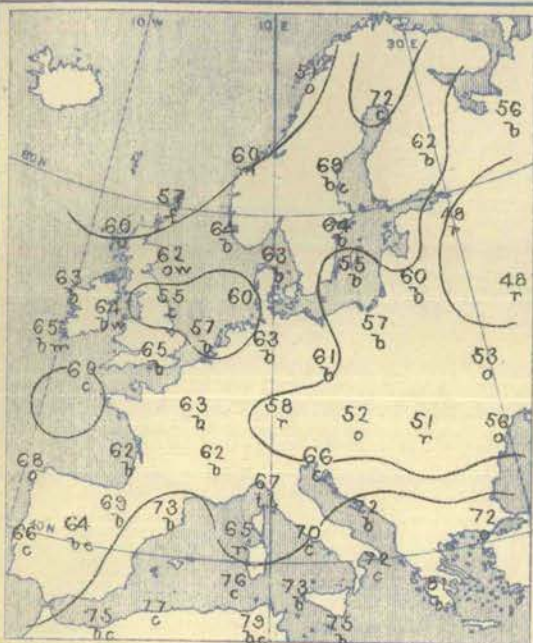
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning dull and rather foggy over Scotland, hazy in some parts of Ireland and Norway, fine and bright over north-western, western, and southern Europe as a whole, but dull over Russia and the central countries, with rain in several places. Half an inch of rain at Bodø later, a few hundredths at Nice, and wet fog in the east of Scotland; weather very fine over north-western Europe, as a whole, all day.

Temperature risen both over England and central Europe, fallen over Russia. Morning readings highest, (1) 81° at Athens, 79° at La Caille, and exceeding 75° at the Mediterranean and Adriatic stations generally; (2) 72° at Haparanda, 68° at Hernösand; (3) 70° at Hurst Castle and exceeding 60° over the British Islands and France as a whole. Lowest, 48° at St. Petersburg and Moscow, 51° at Bodø and at Lemberg, 52° at Cracow, 53° at Hermanstadt, 54° at Loughborough, 55° at Shields. Rising later to between 75° and 80° in many parts of England, to 81° at Paris, and to 80° at Rochefort.

Wind light and anticyclonic over the northern half of our Islands and in Norway; light to moderate from North over the Baltic and Sweden, from North-West over eastern Germany, from West over Hungary, and South-West at Kiev and Kharkov; Northerly in the east of England, Easterly (fresh) in the south and over the Bay of Biscay, but Westerly to North-Westerly over the Iberian Peninsula; very variable over the Mediterranean. Backing in the north of Norway later.

Barometer highest, 30.4 ins. and more over the north-east of Scotland and over the Moray Firth, and exceeding 30.1 ins. over the whole of north-western Europe, the British Islands, and neighbouring parts of the Atlantic. Lowest, 29.7 ins. and less in a depression over the southern half of Russia, and below 29.9 ins. in another over the south-west of France. Falling in the north of Norway later, little change elsewhere.

Friday, 29th June.

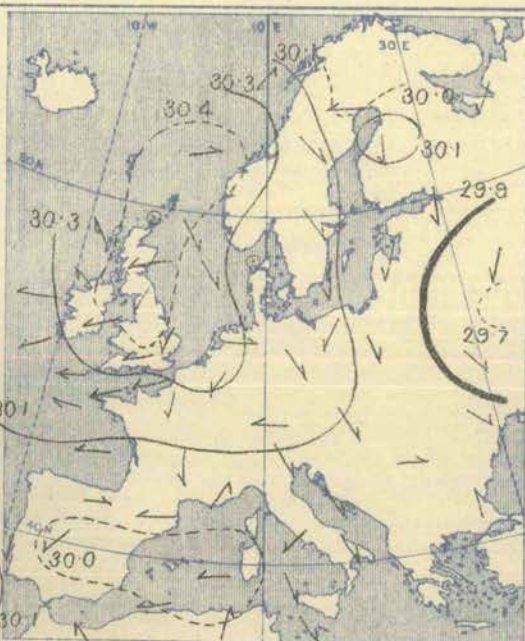
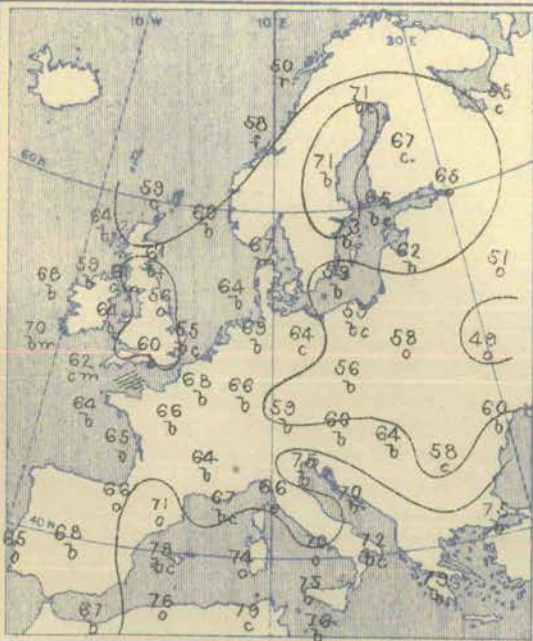
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning foggy at some stations in the west of Norway and on the north-east coasts of the United Kingdom, unusually fine and bright over almost all other parts of Europe, the exceptional regions being central Russia and parts of Poland and the south-west of France, where the sky was overcast, and the west of Lapland where rain was falling. Further rain later in last-named locality, and fog spreading down our east coast; elsewhere weather very fine.

Temperature in morning highest, 70° to 79° at the Adriatic and Mediterranean stations, 73° at Stockholm, 71° at Hernösand and Haparanda; exceeding 60° in almost all parts of Europe, but, lowest, (1) 49° at Moscow, 53° at Kharkov; (2) 50° at Bodø, 52° at Spurn Head, 54° at Loughborough, 55° at Donaghadee. Rising later to between 75° and 80° in many parts of our Islands, to 81° at Paris, 84° at Berlin, and 91° at Rochefort, but remaining very low along our north-east coasts.

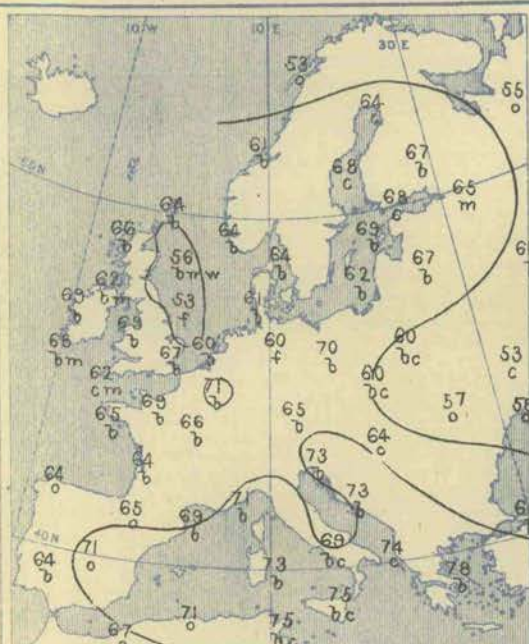
Wind light to moderate and anticyclonic over all the north-western and western countries, Northerly over the North Sea, Easterly over the Bay of Biscay, the Channel, and south of England, East-South-Easterly in some parts of Ireland and Scotland. A cyclonic circulation of light winds prevalent over Russia, variable airs over the Mediterranean. Little change elsewhere.

Barometer highest, 30.4 ins. and more over the west of Norway and the northern and north-eastern parts of Great Britain, and exceeding 30.1 ins. over the whole of north-western Europe and neighbouring parts of the Atlantic. Lowest, 29.7 ins. and less over the southern half of Russia, and below 30.0 ins. over the western parts of the Mediterranean. No decided change later.

Saturday, 30th June.

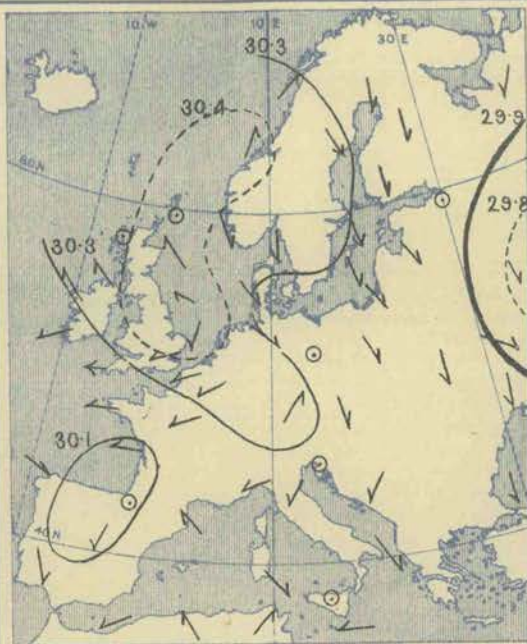
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull and rather unsettled over Spain and the south-west of France, as well as in the south of Russia; fine and bright almost everywhere else, but very foggy on the north-eastern coasts of Great Britain, and hazy at several of our western and south-western stations. Rain falling later in the south-west of France, and a small quantity at Kiev. Temperature still not changing much, but inclined to rise still higher over the United Kingdom. Morning readings highest, 70° and more at the Mediterranean stations, as well as at Brussels and Copenhagen, and exceeding 60° in almost all parts of Europe. Lowest, 55° at Archangel, 55° to 58° in the south of Russia and also on our north-east coasts. Rising later to between 80° and 85° in many parts of our Islands, to between 85° and 90° in some parts of the south of France, and to upwards of 100° at Laghouat (Algeria).

Wind light and anticyclonic over north-western and western Europe, and exceedingly light and variable over the central countries and Russia; North-Easterly over the Mediterranean, Northerly over Sweden and Lapland. Freshening from East in the western parts of the Channel later, little change elsewhere. Barometer highest, 30.4 ins. and more over the northern half of Great Britain and the west of Norway, and exceeding 30.2 ins. over nearly the whole of western Europe. Lowest, 29.8 ins. and less over central Russia and below 30.1 ins. over Spain and the extreme south-west of France. Beginning to decrease a little over most of the western countries later, but rising over Portugal and adjacent parts of the Atlantic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of last week barometrical pressure was highest over France, Spain, and the Mediterranean, and lowest in a depression lying to the northward of Scotland. The latter system soon passed away, however, to the eastward, the barometer rose decidedly over western Europe, and a large anticyclone was gradually formed over the north-western countries, the central portion being situated for the most part over the north-east of Great Britain and the northern parts of the North Sea. Light winds from the Northward or Eastward, and fine warm weather consequently set in over our Islands and the neighbouring parts of the Continent, the rise of temperature culminating on the 30th in maximum readings above 80° over a considerable portion of the United Kingdom. At the close of the week the anticyclone showed some signs of breaking up, and low-pressure areas were beginning to approach our Islands from the south-westward.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 152.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	52.0	?	43	?	EASTBOURNE	77.7	?	63	?
OSWALDKIRK (Yorkshire)	55.8	?	47	?	MANCHESTER (Oldham Road)	55.5*	?	48*	?
WORKSOP	55.1	+20.1	48	+18	TENBY	60.5*	?	53*	?
THURCASTON (Leicestershire)	61.3	+25.3	53	+21	NEWQUAY	71.0	?	63	?
MARGATE	59.0	?	52	?	TORQUAY	80.2*	?	71*	?
WESTBOURNE (Sussex)	84.1*	?	74*	?	ARLEY COITAGE (County Cavan)				
BRIGHTON	77.8	?	63	?	GUERNSEY	60.2*	?	62*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 27.]
Third Series.

WEEK ENDING SATURDAY, JULY 7TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Mean for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The Means with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The Mean Amounts are those for the corresponding periods in the twenty-five years 1866-90, but the Mean numbers of Rainy Days are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The Mean Values employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 158.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	84	46	67.0	53.1	59.6	5 above	Day-deg. 123	Day-deg. +50	Day-deg. 0	Day-deg. 0	Day-deg. 923	Day-deg. +212	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	79	43	60.3	51.4	59.7	3 above.	124	+28	0	0	971	+ 22	581	+ 8
	2. ENGLAND, N.E.	84	47	71.1	53.6	61.7	4 above.	138	+33	0	0	1055	+ 91	455	- 51
	3. ENGLAND, EAST.	87	47	74.7	53.4	63.3	4 above.	149	+30	0	0	1309	+129	471	-100
	4. MIDLAND COUNTIES.	85	43	74.8	51.7	62.5	3 above.	144	+29	0	0	1338	+139	483	- 79
5. ENGLAND, SOUTH	86	44	73.2	55.6	63.8	3 above.	153	+30	0	0	1435	+146	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	82	41	67.2	53.2	59.7	3 above.	124	+26	0	0	1072	+ 79	345	- 69
	7. ENGLAND, N.W.	83	48	71.8	55.0	62.9	4 above.	146	+38	0	0	1240	+182	300	-122
	8. ENGLAND, S.W.	87	44	68.8	53.9	60.8	2 above.	132	+19	0	0	1366	+156	236	- 81
	9. IRELAND, NORTH	85	44	66.0	53.9	59.5	3 above.	123	+24	0	0	1164	+ 61	334	- 33
	10. IRELAND, SOUTH	79	44	66.1	54.6	60.0	2 above.	126	+17	0	0	1412	+139	217	- 67
	—CHANNEL ISLANDS	81	51	67.8	56.7	61.9	2 above.	139	+20	0	0	1599	+241	94	- 18

DISTRICTS. (See p. 158.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	15	10ths of ins. 7 more.	119	- 3	28.8	+ 5.8	30	- 3	25	- 2	799	+114	35	+ 5
	1. SCOTLAND, EAST	3	12	6 more.	108	+10	19.0	+ 4.5	56	+14	47	+ 11	800	+ 84	37	+ 4
	2. ENGLAND, N.E.	2	2	3 less.	107	+16	12.7	+ 0.9	65	+26	55	+ 22	806	+126	34	+ 5
	3. ENGLAND, EAST.	2	2	4 less.	97	+ 8	11.7	- 0.1	73	+31	63	+ 25	906	+ 68	38	+ 3
	4. MIDLAND COUNTIES.	2	1	4 less.	101	+13	11.7	- 1.6	67	+28	58	+ 24	840	+106	35	+ 4
5. ENGLAND, SOUTH	2	4	1 less.	95	+ 9	12.5	- 0.3	71	+23	63	+ 19	972	+102	29	+ 4	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	13	5 more.	121	+16	28.3	+ 4.7	43	+ 2	37	+ 2	796	+ 27	33	+ 1
	7. ENGLAND, N.W.	3	6	1 less.	114	+19	17.5	+ 2.5	56	+16	48	+ 13	779	+ 87	35	+ 4
	8. ENGLAND, S.W.	3	3	4 less.	110	+12	18.2	- 0.3	65	+18	57	+ 16	986	+ 76	40	+ 3
	9. IRELAND, NORTH	6	9	3 more.	126	+14	21.4	+ 4.8	35	+ 3	30	+ 2	745*	+ 26	31	+ 1
	10. IRELAND, SOUTH	5	11	5 more.	119	+16	21.8	+ 3.0	42	+ 4	36	+ 3	829	- 9	34	- 1
	—CHANNEL ISLANDS	3	8	3 more.	112	+ 6	15.3	+ 0.1	67	+20	61	+ 17	1064	+ 47	45	+ 2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was fine and hot at the beginning of the week, but broke up temporarily on the 2nd, when thunderstorms occurred in many places, with heavy rain in Scotland. After the 3rd, fine warm weather again set in at all but the Irish stations, but, on the 6th, the conditions became very unsettled, with severe thunderstorms in nearly all parts of Great Britain, and with heavy rain in isolated places.

Temperature was above the mean in all districts, the excess ranging from 2° in England S.W., Ireland S., and the Channel Islands, to 5° in Scotland N. The highest readings were observed mainly on the 1st, but, in some parts of Great Britain, the thermometer was equally high, or even a little higher on the 6th. Maxima exceeding 85° were recorded in all districts excepting Scotland E. and Ireland S.; in England E., S., and S.W., the thermometer exceeded 85°. The lowest readings were observed on rather irregular dates, but mostly about the middle of the week, the absolute minima ranging from 43° in Scotland E. and the Midland Counties to 50° in Scotland W. and 51° in the Channel Islands.

Rainfall was considerably in excess of the mean in Ireland and Scotland and also in the Channel Islands. Elsewhere there was a deficit, the aggregate fall being smallest in the Midland Counties. At Valencia the total amount for the 13 hours ending at 8 a.m. on the 6th was as much as 2.85 ins.

Bright Sunshine was in excess of the mean in all districts excepting Scotland N. The percentage of the possible duration ranged from 63 in England E. and S., and 61 in the Channel Islands to 31 in Ireland N. and to 25 in Scotland N.

Barometer and Wind.—Shortly after the commencement of the week the anticyclone previously noticed over our Islands passed away to the eastwards and broke up, and on the 2nd and 3rd a large shallow depression moved eastwards across the country. The wind, therefore, shifted from the East to South and South-West, and finally to West or North-West, but remained light or moderate in force. After the 3rd a new high-pressure system advanced over France, and spread gradually northwards over the North Sea and eastern parts of our Islands, while depressions began to skirt our extreme western coasts, the result being seen in a backing of the wind to South and South-East. On the 6th the western depressions spread north-eastwards over the northern parts of the Kingdom, while shallow secondary systems advanced over England from the Southward, and, at the close of the period, when these disturbances were all moving northwards, Southerly and South-Westerly winds were again reported over the greater part of the Kingdom.

II.—DATA from which the SUMMARY on page 157 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	67	51	62.1	53.3	57.4	+ 5.7	108	0	3	0.14	-0.35	*	*	*	*
	Stornoway	76	49	67.0	53.9	60.0	+ 6.3	128	0	6	2.23	+1.53	34.2	- 2.8	28	- 2
	Wick	67	48	65.0	52.0	58.6	+ 4.2	116	0	3	0.95	+0.43	*	*	*	*
	Laing	84	47	69.3	51.3	59.7	+ 5.7	124	0	5	1.78	+0.48	*	*	*	*
	Glencarron	82	46	69.3	53.0	60.6	+ 4.6	130	0	4	1.00	+0.36	25.3	?	21	?
	Fort Augustus	82	51	69.3	54.0	61.1	+ 4.7	134	0	5	2.77	+1.67	30.0	?	25	?
1. SCOTLAND, E.	Fort William	82	51	69.3	54.0	61.1	+ 4.7	134	0	5	2.77	+1.67	30.0	?	25	?
	Nairn	74	45	69.7	50.9	59.7	+ 3.0	124	0	4	0.96	+0.47	*	*	*	*
	Aberdeen	71	47	66.1	52.7	58.9	+ 2.6	118	0	3	0.43	-0.08	55.2	+13.9	45	+11
	Braemar	78	43	68.9	48.6	58.0	+ 3.8	112	0	2	1.30	+0.68	52.7†	?	43†	?
	Ochertyre	79	44	71.1	50.4	60.0	+ 3.4	126	0	4	1.08	+0.38	*	*	*	*
	Leith	79	47	69.7	52.3	60.4	+ 2.6	129	0	2	0.96	+0.38	*	*	*	*
2. ENGLAND, N.E.	Marchmont	79	45	70.4	53.3	61.3	+ 5.1	135	0	2	2.24	+1.53	68.8	?	60	?
	Alnwick Castle	69	50	67.0	53.6	59.8	+ 3.4	125	0	2	0.04	-0.55	*	*	*	*
	Durham	79	47	74.0	51.8	62.1	+ 4.1	141	0	2	0.05	-0.54	63.1	+26.9	53	+22
	Shields	75	48	68.7	52.4	60.0	+ 2.9	126	0	2	0.15	-0.35	*	*	*	*
	Scarborough	84	51	74.0	54.5	63.6	+ 5.4	151	0	2	0.22	-0.33	*	*	*	*
	York	80	49	75.0	53.4	63.5	+ 4.3	151	0	2	0.17	-0.38	*	*	*	*
3. ENGLAND, E.	Spurn Head	73	52	67.6	55.6	61.2	+ 2.5	134	0	2	0.53	+0.16	*	*	*	*
	Hillington	84	49	76.9	53.2	64.2	+ 4.7	155	0	2	0.14	-0.46	76.6	+33.8	66	+27
	Yarmouth	72	52	68.0	56.9	62.1	+ 2.7	141	0	2	0.27	-0.29	*	*	*	*
	Geldeston	82	47	74.7	52.8	63.0	+ 3.5	147	0	1	0.41	-0.09	77.9	+31.2	68	+26
	Cambridge	87	49	79.1	52.1	64.7	+ 4.1	159	0	2	0.16	-0.39	69.6	+26.6	61	+23
	Rothamsted	81	47	74.8	51.9	62.6	+ 3.2	144	0	2	0.05	-0.55	65.8	?	58	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	85	45	77.4	49.9	62.7	+ 3.1	145	0	2	0.22	-0.38	*	*	*	*
	Loughborough	83	49	77.0	52.9	64.1	+ 3.1	155	0	2	0.13	-0.37	*	*	*	*
	Stamford (Ketton Hall)	84	45	77.4	51.1	63.3	+ 2.7	149	0	2	0.11	-0.47	*	*	*	*
	Cheadle	79	47	71.2	52.4	61.2	+ 4.0	134	0	2	0.13	-0.56	*	*	*	*
	Churchstoke	80	46	71.7	50.3	60.3	+ 2.9	128	0	3	0.20	-0.36	62.9	+23.0	54	+19
	Hereford	81	46	75.1	52.3	62.9	+ 3.3	146	0	2	0.18	-0.34	*	*	*	*
5. ENGLAND, S.	Cirencester	83	43	73.9	51.1	61.7	+ 3.3	138	0	1	0.01	-0.59	72.5	+31.3	64	+23
	Oxford	83	48	74.7	53.9	63.6	+ 3.6	151	0	2	0.12	-0.42	63.7	+26.2	60	+23
	London	85	49	77.9	55.9	66.1	+ 4.1	169	0	3	0.21	-0.31	62.6†	+24.1†	55†	+20†
	North Foreland	81	54	71.0	57.6	63.8	+ 4.3	153	0	2	0.28	?	*	*	*	*
	Strathfield Turgiss	86	44	76.6	52.0	63.4	+ 2.8	150	0	3	0.15	-0.35	*	*	*	*
	Dungeness	77	51	70.1	57.1	63.2	+ 2.9	148	0	1	0.40	0.00	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	82	53	73.4	57.3	64.3	+ 4.6	160	0	1	1.33	+0.89	70.6	+21.5	62	+18
	Southampton	84	49	74.9	56.0	64.8	+ 4.1	160	0	2	0.03	-0.45	69.4	+23.4	61	+19
	Hurst Castle	80	51	70.6	56.4	63.0	+ 2.6	147	0	1	0.14	-0.36	*	*	*	*
	Stowell	82	46	70.9	52.4	61.0	+ 1.5	133	0	3	0.33	?	*	*	*	*
	Laudale (Loch Sunart)	82	52	68.6	55.0	61.3	+ 4.9	135	0	6	2.10	+0.87	*	*	*	*
	Glasgow	76	51	67.0	53.7	59.9	+ 3.0	125	0	4	1.65	+0.91	34.6	+ 0.2	29	0
7. ENGLAND, N.W.	Ardrossan	78	53	65.3	54.7	59.6	+ 2.1	123	0	5	1.31	+0.69	*	*	*	*
	Glenlee	79	41	68.9	49.6	58.6	+ 2.4	116	0	2	1.19	+0.31	*	*	*	*
	Douglas (Isle of Man)	74	50	66.3	52.8	59.1	+ 2.5	120	0	3	0.24	-0.36	50.9	+ 3.6	44	+ 3
	Stonyhurst	79	49	70.3	53.9	61.5	+ 3.7	137	0	3	0.81	-0.11	59.8	+20.1	51	+16
	Blackpool	82	52	72.4	54.8	63.0	+ 4.6	147	0	3	0.77	+0.17	49.7	+ 8.7	42	+ 7
	Manchester (Prestwich)	82	48	76.4	54.5	64.7	+ 6.5	159	0	3	0.51	-0.27	56.0	?	48	?
8. ENGLAND, S.W.	Liverpool Obs. (Bidston)	81	53	71.3	55.9	63.1	+ 3.6	148	0	3	0.85	+0.25	*	*	*	*
	Llandudno	83	54	72.5	56.6	64.0	+ 4.5	154	0	3	0.40	-0.10	56.9	+18.4	49	+16
	Holyhead	83	53	68.1	54.4	61.0	+ 2.8	133	0	3	0.09	-0.41	*	*	*	*
	Llandovery	87	44	74.3	52.0	62.4	+ 3.2	143	0	4	0.42	-0.38	*	*	*	*
	Pembroke	70	54	62.0	56.0	58.8	+ 1.1	118	0	4	0.35	-0.15	56.9	+ 7.5	56	+ 6
	Bristol (Montpelier)	87	49	75.2	55.7	64.8	+ 4.6	160	0	3	0.20	-0.40	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	78	47	68.1	53.1	60.1	+ 2.6	127	0	4	0.57	-0.41	*	*	*	*
	Cullompton	81	45	72.5	52.1	61.6	+ 2.3	137	0	1	0.09	-0.53	67.2	+25.2	59	+22
	Falmouth	70	51	65.9	53.6	59.3	- 0.2	121	0	3	0.09	-0.58	67.7	+17.2	60	+16
	Plymouth	74	46	66.2	53.9	59.6	- 1.3	123	0	2	0.16	-0.40	68.3	+23.3	61	+20
	Prawle Point	69	51	66.1	54.7	60.0	+ 2.0	126	0	2	0.48	+0.02	*	*	*	*
	Malin Head	71	51	61.6	54.1	57.6	+ 1.1	109	0	5	1.32	?	*	*	*	*
10. IRELAND, S.	Londonderry	85	48	68.7	53.5	60.6	+ 2.7	130	0	6	1.22	+0.52	*	*	*	*
	Edenfel (Omagh)	80	45	66.3	53.3	59.3	+ 2.0	121	0	6	0.81	+0.11	*	*	*	*
	Belmullet	80	51	64.6	54.4	59.1	+ 2.3	120	0	7	1.06	?	*	*	*	*
	Markree Castle	78	44	66.3	52.0	58.9	+ 2.6	118	0	7	1.49	+0.69	32.9	+ 1.1	28	+ 1
	Brookeborough	78	52	67.0	54.9	60.5	+ 4.0	130	0	5	0.81	+0.10	*	*	*	*
	Armagh	76	47	68.0	53.4	60.2	+ 2.8	127	0	5	0.54	-0.06	38.5	+ 3.5	33	+ 3
CHANNEL ISLANDS	Donaghadee	67	55	64.4	56.9	60.4	+ 3.6	129	0	6	0.43	-0.09	*	*	*	*
	Edgeworthstown	73	45	66.9	52.7	59.3	+ 2.0	121	0	6	0.80	+0.04	*	*	*	*
	Dublin	76	51	68.8	56.3	62.1	+ 2.5	141	0	5	0.42	-0.07	45.1	+ 7.1	39	+ 7
	Parsonstown	79	46	66.9	53.6	59.8	+ 2.1	125	0	3	0.93	+0.32	40.7	+ 4.5	35	+ 3
	Kilkenny	75	44	66.1	53.7	59.6	+ 1.4	123	0	6	0.54	+0.02	*	*	*	*
	Waterford	75	44	66.1	53.7	59.6	+ 1.4	123	0	6	0.54	+0.02	*	*	*	*
CHANNEL ISLANDS	Roche's Point	67	51	65.1	55.9	60.2	+ 0.8	127	0	3	0.14	-0.58	*	*	*	*
	Valencia	74	43	63.0	53.3	57.8	+ 0.2	111	0	6	3.85	+3.00	39.9	+ 0.4	35	+ 1
	Killarney	76	50	67.1	54.9	60.6	+ 3.0	139	0	7	1.18	?	*	*	*	*
	Foynes	78	50	65.5	54.7	59.7	+ 1.7	124	0	6	0.83	?	*	*	*	*
	Scilly (St. Mary's)	67	54	64.9	56.0	60.1	+ 0.9	127	0	4	0.36	-0.14	51.3	?	46	?
	Jersey	81	51	70.7	57.4	63.6	+ 2.7	151	0	2	1.28	+0.78	72.2	+20.2	65	+17

Stations marked $\mathcal{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

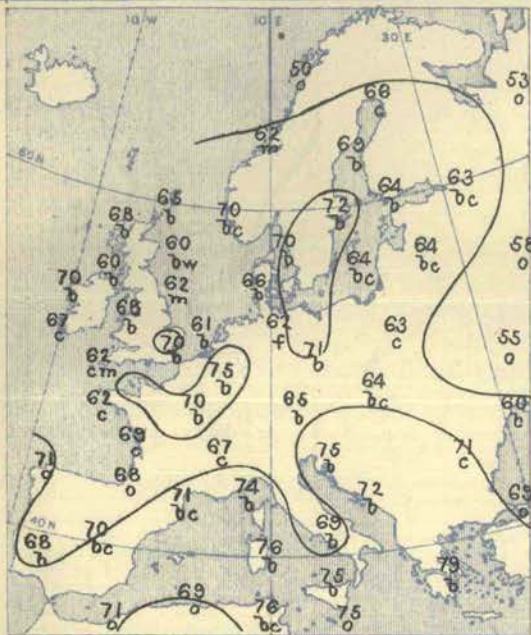
* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 1st July.

Temperature and Weather.

8 a.m.

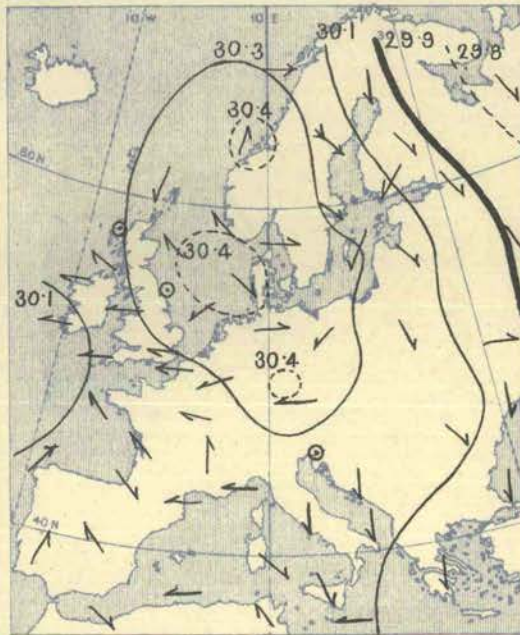


Weather in morning fine and bright over the greater part of our Islands and the Continent, but misty or foggy at some of our own northern stations. Thunderstorms occurring later over France and the western and south-western parts of our Islands, with heavy rain at Jersey and Limoges. Rain falling also in the south of Russia. Lightning seen in the south-east of England at night.

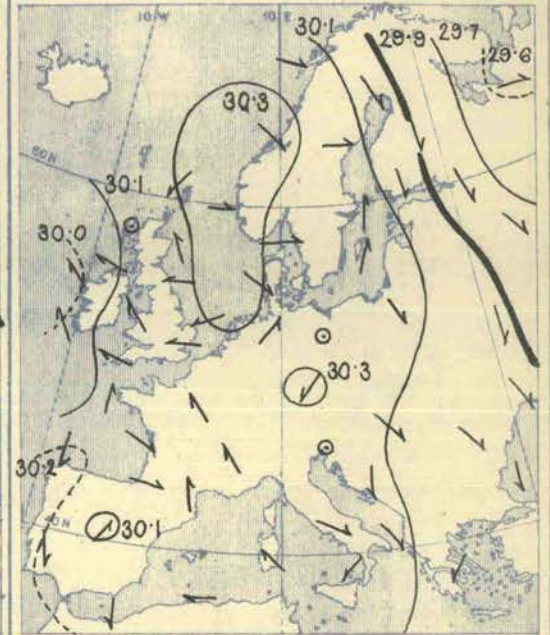
Temperature risen in most places. Morning readings highest, 79° at Sfax, 77° at Toulon and Patras, and 76° at Cagliari and La Calle; above 70° over southern Europe generally, as well as in Belgium and north Germany, and just reaching that point in London and at Paris. Lowest, (1) 50° at Bodö, 53° at Archangel, and 55° at Kiev; (2) 54° at Leith and 53° at Nairn. Rising during day to 80° and upwards in many parts of England, and reaching 87° at Cambridge. Exceeding 85° at several of the French, Spanish, and Italian stations, the highest readings of all being 100° at Cape Bearn and 93° at Charleville.

Barometer and Wind.

8 a.m.



6 p.m.



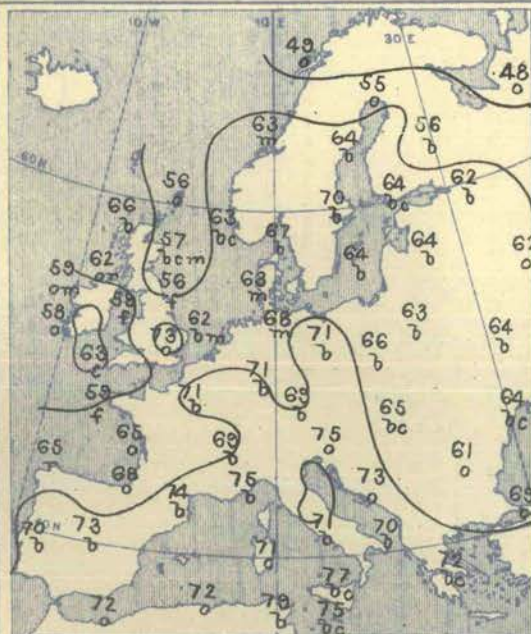
Wind light to moderate from the Eastward or South-Eastward over our Islands, France, and western Germany. North-Westerly over Sweden, Denmark, Russia, and eastern Germany; light or moderate in force generally, but blowing a gale at Hernösand. Calm in Austria; light from the Northward in Italy; South-Westerly in Portugal and the north-west of Spain. Subsequently veering more to the Southward in the western parts of the United Kingdom; shifting to the Westward in the west of France, and to the Southward in the south of Sweden.

Barometer highest, 30.3 ins. to 30.4 ins. in an anticyclone covering Scandinavia, Denmark, Germany, the Netherlands, the North Sea, and the northern and eastern parts of Great Britain. Lowest, 29.8 ins. and less in a large shallow depression over northern Russia; 30.1 ins. and less in another shallow area lying to the south-westward of our Islands. Latter depression subsequently spreading northwards over our western coasts; small secondary disturbances appearing over France and the English Channel.

Monday, 2nd July.

Temperature and Weather.

8 a.m.

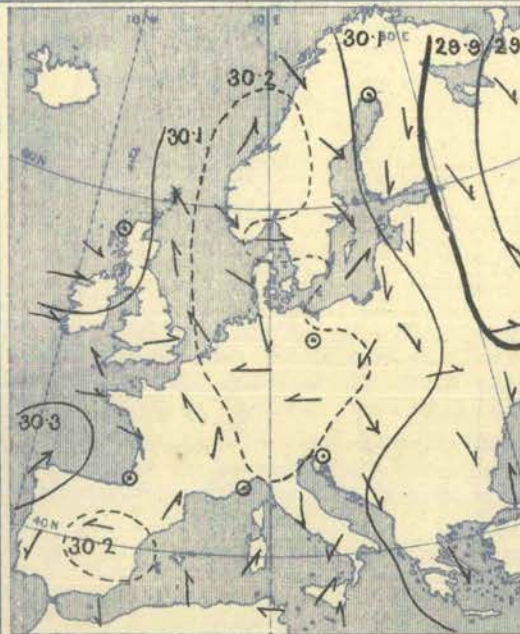


Weather in morning variable over the United Kingdom generally. Fine and bright over the Continent generally, but dull in the northern parts of Russia and Scandinavia, as well as in the west of France and the north of Spain, with rain at Corunna. Thunderstorms occurring during day in many parts of Great Britain, France, and Holland, with heavy rain at our own northern stations, as much as 1.7 ins. at Stornoway.

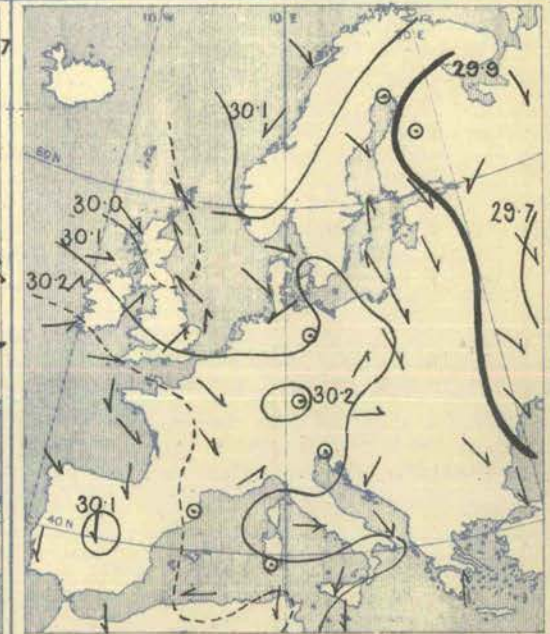
Temperature risen in the central and south-eastern parts of England, in Spain, Germany, Austria, and south Russia. Morning readings highest, 79° at Barcelona, Tunis, and Sfax, and 77° at Toulon and Palermo; above 70° over southern and central Europe. Lowest, (1) 48° at Archangel, 49° at Bodö, and 55° at Haparanda; (2) 55° at Leith, and 56° at Sunburgh Head and Shields. Daily maxima considerably lower than of late over the western and northern parts of the United Kingdom, but thermometer rising to 85° in many parts of southern Europe, and reaching 91° at Perpignan and 95° at Madrid.

Barometer and Wind.

8 a.m.



6 p.m.



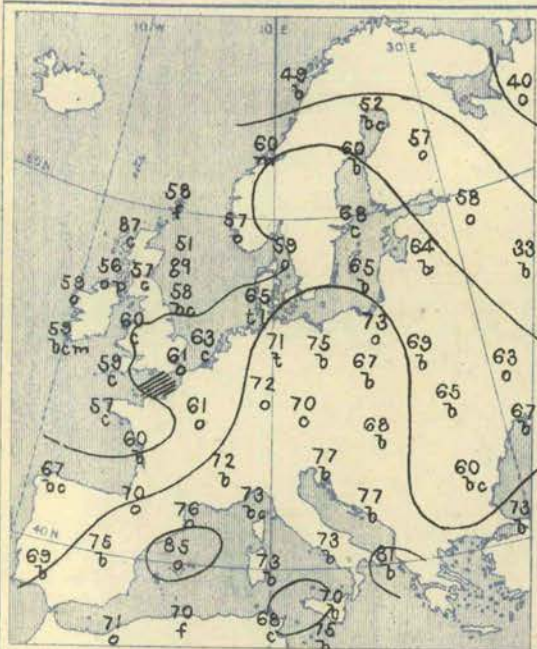
Wind light from the Southward (South-East or South-West) over the greater part of the United Kingdom and France, but Westerly over the Bay of Biscay and west of Ireland. Light to moderate from the Northward or North-Westward over Scandinavia, Denmark, Russia, Austria, and Italy; Easterly over western Germany and also over Spain; variable in Algeria. Subsequently veering to the Westward in the western and southern parts of our Islands generally; no important change occurring elsewhere, but strong Westerly wind setting in at Naples.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying over the north-west of Spain, 30.2 ins. and upwards in an elongated area stretching across Norway, Denmark, Germany, and northern Italy. Lowest, 29.6 ins. and less in a large depression over Russia, 30.1 ins. and less in a shallow area lying over the north-western parts of the United Kingdom. Latter system subsequently moving eastwards, and barometer falling rather decidedly in the northern parts of Great Britain.

Tuesday, 3rd July.

Temperature and Weather.

8 a.m.

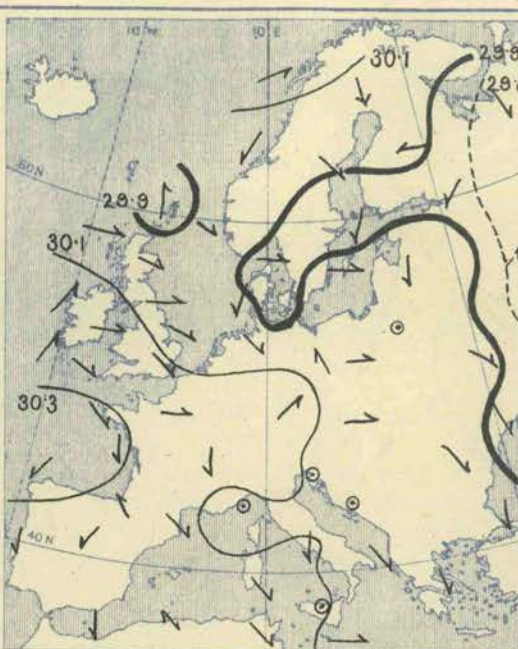


Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull over northern Russia, Denmark, north Germany, and the south of Norway, with thunder at Fanö and Cuxhaven. A solar halo reported at Jersey. Rain falling later in Ireland and the west and north of Scotland, as well as in Denmark, heavily at Copenhagen; thunderstorms experienced at Dungeness and in many parts of Germany.

Temperature fallen in nearly all but the southern countries. Morning readings highest, 85° at Barcelona, 81° at Brindisi, and 79° at Toulon; above 70° over southern Europe generally and also over north Germany. Lowest, (1) 40° at Archangel, 49° at Bodö, and 52° at Haparanda and Uleaborg; (2) 55° at Pembroke and 56° at Malin Head. Daily maxima below 65° at several of our own western and northern stations, but thermometer rising to between 70° and 72° over the central and south-eastern parts of England. Exceeding 80° in the south of France, and exceeding 90° at many of the Spanish and Italian stations, the highest reading of all being 96° at Madrid.

Barometer and Wind.

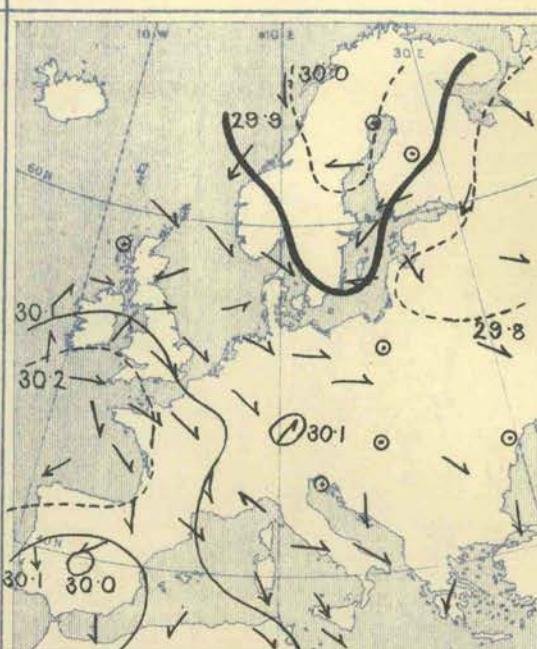
8 a.m.



Wind light to moderate from the Westward or North-Westward over the greater part of the United Kingdom, but South-Westerly in the west of Ireland. Variable in Norway, Westerly or North-Westerly in Sweden and Denmark; South-Westerly or Westerly in Germany. Variable, but chiefly Northerly, over Russia, Italy, and the south of France; North-Easterly in Spain. Subsequently backing to the South-Westward at most of our western stations and to the Southward at Valencia (Ireland); light Easterly and North-Easterly breezes setting in over Sweden.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying over the Bay of Biscay and the north-west of Spain; 30.1 ins. and upwards in the north of Norway. Lowest, 29.8 ins. and less in a large shallow area lying over Russia; 29.9 ins. and less in an irregularly shaped band stretching across the Gulf of Finland, the south of Sweden and Denmark, as well as in a small depression near the Shetlands. Barometer falling later in the west of our Islands and new disturbances beginning to approach the Irish coasts. Shallow depression appearing over central Spain in evening.

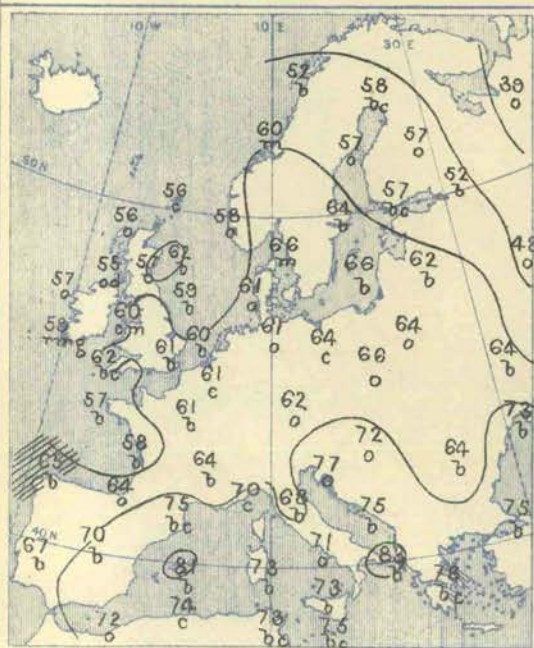
6 p.m.



Wednesday, 4th July.

Temperature and Weather.

8 a.m.

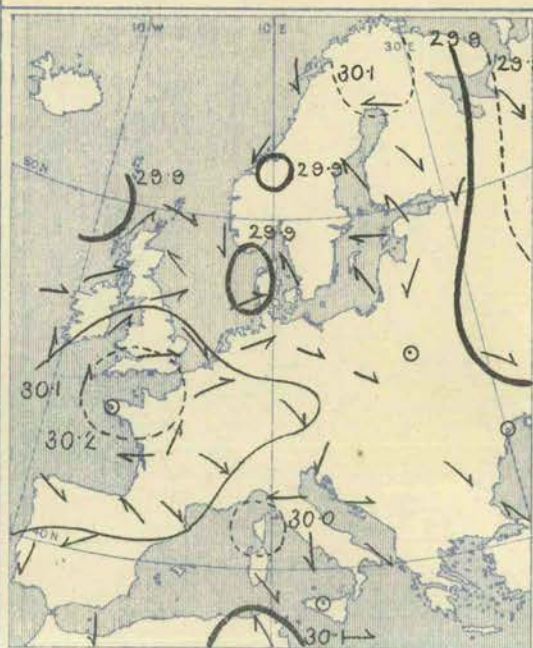


Weather fine and bright over Great Britain and the Continent generally; but dull in the west of Scotland and rainy at many of the Irish stations. Dull over northern Russia, as well as in Denmark, Germany, Poland, and the south of Norway; rainy at Cracow. Heavy rain falling during day in the west and north of Ireland (as much as 1.4 ins. at Valencia) and smaller quantities in the west and extreme north of Scotland. Heavy rain reported at Neufahrwasser and Prague.

Temperature changed rather irregularly, but fallen in most countries. Morning readings highest, 83° at Brindisi, 81° at Palma, and 77° at Trieste; above 70° over the greater part of southern Europe. Lowest, (1) 39° at Archangel, 48° at Moscow, and 52° at Bodö and St. Petersburg; (2) 52° at Le Mans and 53° at Lorient; (3) 55° at Malin Head, and 56° at Sunbust Head and Stornoway. Rising during day to between 70° and 75° in many parts of Great Britain, and reaching 76° at Loughborough and Cambridge. Exceeding 85° in many parts of southern Europe, the highest reading of all being 95° at Madrid and Hermanstadt.

Barometer and Wind.

8 a.m.



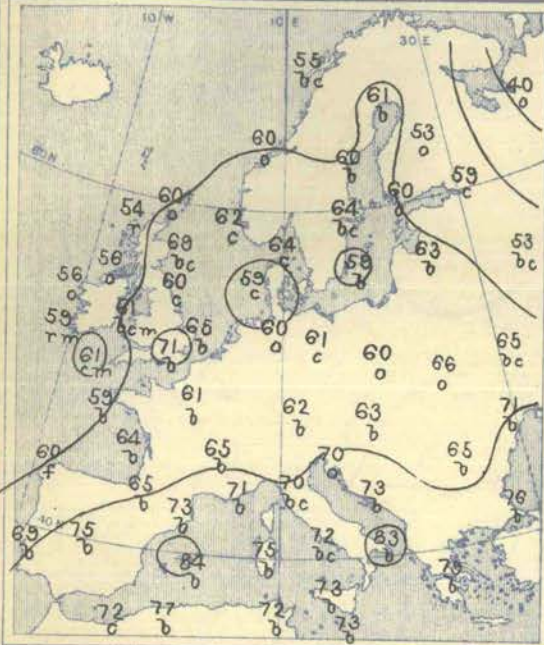
Wind light to moderate from the Southward or South-Westward in the west and north of our Islands; Westerly or North-Westerly over the greater part of England and also over the Netherlands, Denmark, Germany, and Austria. Light from the Eastward or North-Eastward over Spain and the west and south of France; variable in Italy and Algeria. Moderate from the Eastward or South-Eastward over Sweden and the south of Norway, light from the Northward over northern Russia. Subsequently backing to the South-Westward over England and shifting to the Northward in the west and south of France; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards over the south of England and the northern parts of France and the Bay of Biscay; 30.1 ins. and upwards in an anticyclone covering England, France, and the north of Spain. Lowest, 29.8 ins. and less in a large area over Russia; 29.9 ins. and less in several shallow depressions, one lying off the north-west of Scotland, another over the west of Norway near Christiansund, a third off the west coast of Denmark, and a fourth over north-east Germany. Scotch and Danish depressions subsequently disappearing, but new disturbances beginning to approach Ireland from the westward.

Thursday, 5th July.

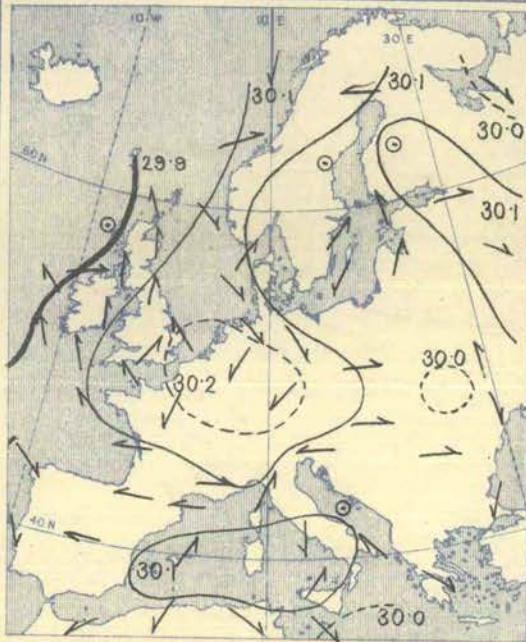
Temperature and Weather.

8 a.m.

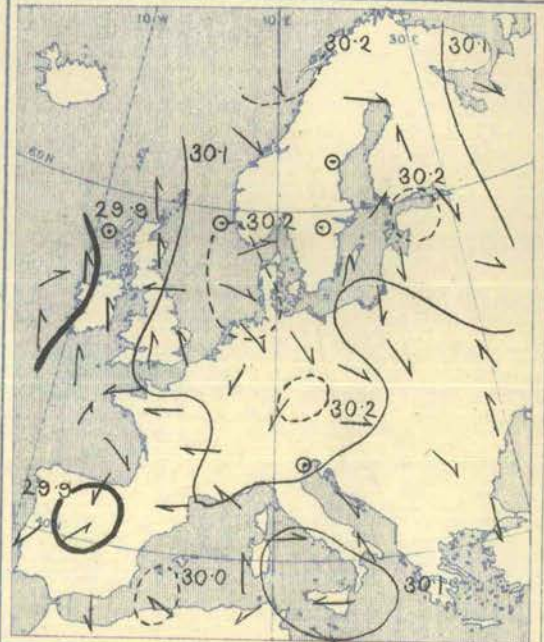


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine and bright in most parts of Great Britain and the Continent, but dull and rainy at some of the Irish stations, as well as in the west of Scotland. Dull also in some parts of Germany and Poland, with rain at Cracow. Heavy rain falling during day in the west of Ireland, and smaller quantities in the south of Russia; lightning seen at Biarritz at night.

Temperature fallen a little in the central and south-eastern countries, but risen in most other localities. Morning readings highest, 84° at Palma, 83° at Brindisi, and 79° at Barcelona and Athens; above 70° over southern Europe generally, as well as in London, and reaching 65° or more in many parts of England. Lowest, (1) 40° at Archangel, 52° at Kharkov, and 53° at Kuopio and Moscow; (2) 54° at Stornoway, and 56° at Malin Head and Belmullet. Rising during day to between 75° and 80° at the inland English stations, and reaching 81° at Loughborough. Exceeding 90° in many parts of southern Europe, the highest readings of all being 102° at Cape Béarn and 99° at Rochefort and Bilbao.

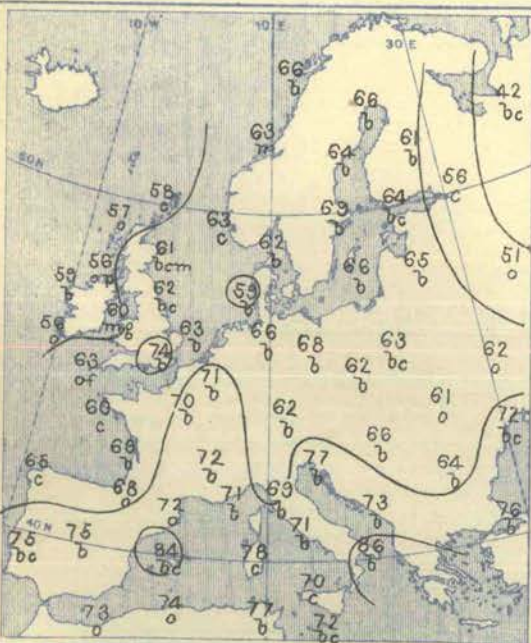
Wind light to fresh from the Southward in the west and north of our Islands; light from the South-Eastward in the east and south of England, and from the Eastward in France. Variable over Finland and Scandinavia; light to moderate from the Westward or North-Westward over Denmark, Germany, Austria, and the northern and central parts of Russia. Variable in Italy, Spain, and Algeria. No important change occurring during day.

Barometer highest, 30.2 ins. and upwards over the Netherlands, the north-east of France, and the western and southern parts of Germany; 30.1 and upwards in separate anticyclonic areas lying respectively over Russia and over Italy and the Mediterranean. Lowest, 29.9 ins. and less in a depression lying off our Atlantic coasts. Depression subsequently spreading slowly eastwards; new disturbance appearing over Spain in evening, and beginning to move very slowly in a northerly direction.

Friday, 6th July.

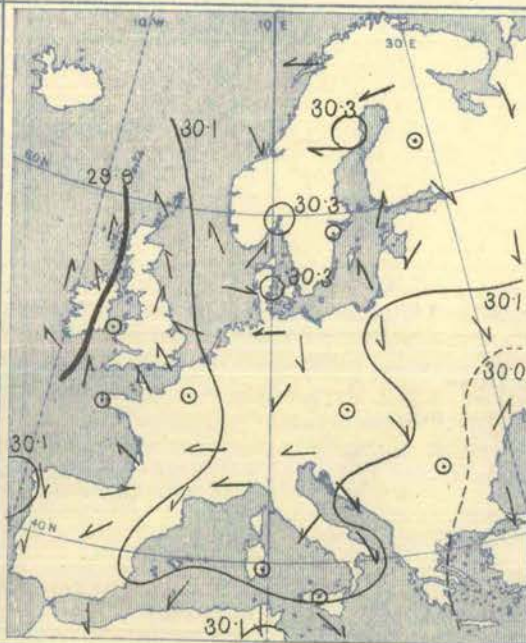
Temperature and Weather.

8 a.m.

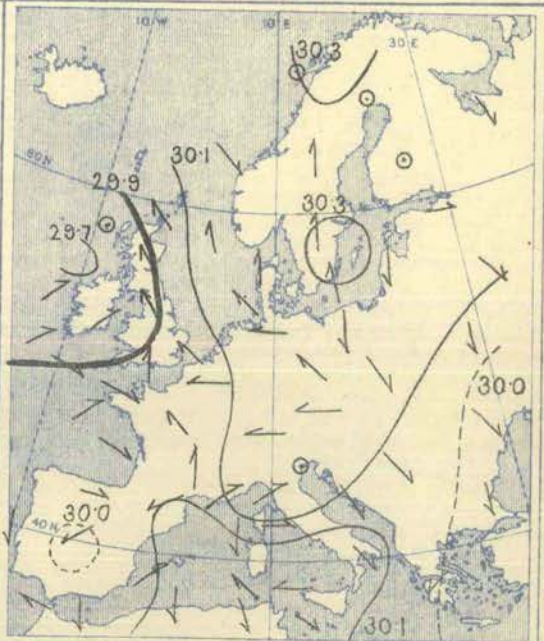


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over all the more eastern parts of the United Kingdom, but dull in the west, with showers at some of the Irish stations. Fine over the greater part of the Continent, but dull in the extreme south of France, as well as over central Russia. Thunderstorms occurring later in nearly all parts of Great Britain and also at some of the French stations; accompanying rainfall mostly slight, but heavy (1.1 ins.) at Ardrossan. Solar halo seen at Oxford in afternoon. Heavy rain in the south of Russia during day.

Temperature risen in most places. Morning readings highest, 86° at Brindisi, 84° at Palma, 83° at Athens, and 82° at Barcelona; above 75° in many parts of southern Europe, and above 70° over the Netherlands and the south-east of England. Lowest, (1) 42° at Archangel, 51° at Moscow, and 56° at St. Petersburg and Kharkov; (2) 56° at Malin Head, Donaghadee, and Valencia (Ireland). Rising during day to 80° or more over the inland parts of England, and reaching 85° in London and at Cambridge. Exceeding 85° in several parts of France, the Netherlands, and southern Europe, the highest readings of all being 100° at Madrid and 97° at San Fernando.

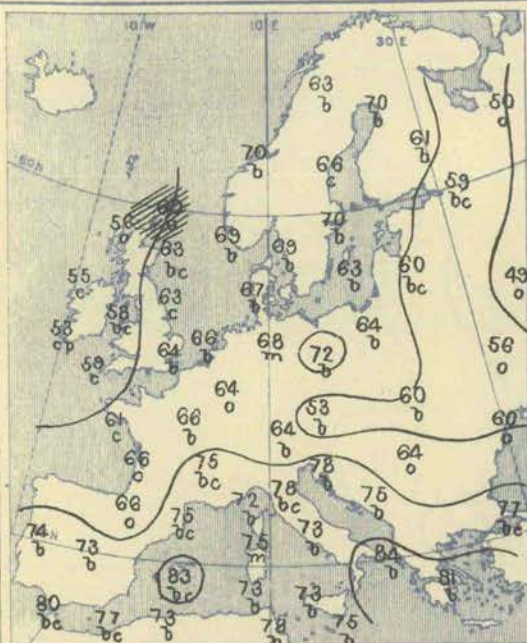
Wind light to moderate from the Southward or South-Eastward over our Islands and the Netherlands, light and somewhat variable in France, but chiefly Easterly. Very variable in most of the Continental countries, but Northerly over the northern and eastern parts of Germany and North-Easterly in Spain. Subsequently veering to the South-Westward in the west and south of our Islands, and shifting to the Westward in the west of France, no important change occurring elsewhere.

Barometer highest, 30.2 ins. to 30.3 ins. in an anticyclone covering Scandinavia, Denmark, Germany, Finland, and the Baltic. Lowest, 29.9 ins. and less over Ireland and the west of Scotland, and also (apparently) in a small depression lying off the south-west of France. 30.0 ins. and less in a large shallow area over Turkey, the Black Sea, and the south of Russia. Low pressure system over Ireland subsequently spreading north-eastwards; shallow secondary disturbances advancing over England from the southward in afternoon and evening.

Saturday, 7th July.

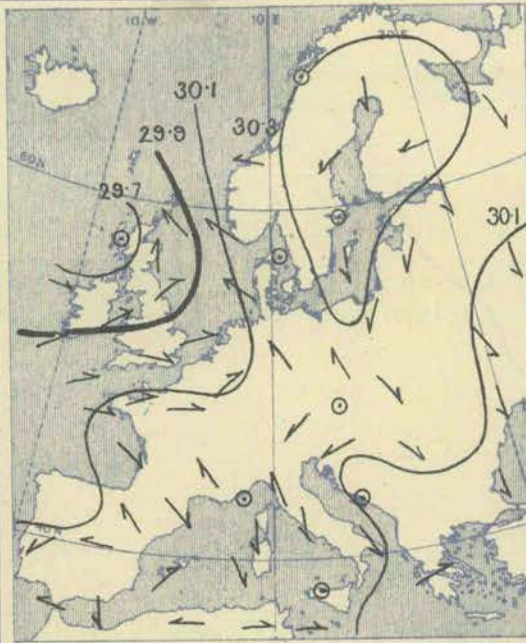
Temperature and Weather.

8 a.m.

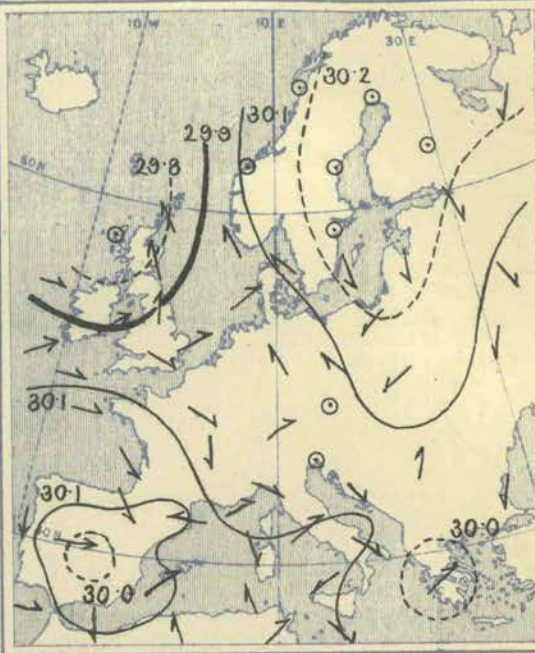


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of our Islands and the Continent, but cloudy and showery at some of the Irish stations. Dull over the Netherlands, with thunder at the Helder; rainy in the south of Russia. Showers falling during day in many parts of the United Kingdom; thunderstorms occurring in the north of Scotland and also at some of the Danish and French stations. Heavy rain falling at Hamburg.

Temperature fallen in most parts of our Islands, France, and Spain, as well as in the south of Russia, but risen elsewhere. Morning readings highest, 84° at Brindisi, 83° at Palma, 81° at Athens, and 80° at Patras and San Fernando; above 70° in most parts of southern Europe, and reaching that point at some of the Scandinavian stations. Lowest, (1) 49° at Moscow, 50° at Archangel, and 52° at Kharkov; (2) 53° at Parsonstown and Valencia (Ireland) and 54° at Malin Head. Daily maxima very little above 70° in any part of the United Kingdom, and below 60° at some of our west coast stations. Thermometer exceeding 85° in many parts of southern Europe, the highest readings of all being 99° at San Fernando and 96° at Madrid.

Wind light to moderate from the Westward or South-Westward over Ireland, England, and the Netherlands; Southerly in Scotland; South-Easterly on the eastern shores of the North Sea. Light from the Northward over Sweden, Russia, and Austria; variable in Italy and the south of France; light from the Eastward in Spain and the west of France. Subsequently shifting to the Westward or North-Westward over the Bay of Biscay and the north of Spain; no important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards over Sweden and Finland; 30.1 ins. and upwards in an anticyclone lying over the greater part of the Continent. Lowest, 29.7 ins. and less in a depression lying off the north-west of Scotland. Depression filling up slowly during day, but secondary disturbance appearing over Denmark and north Germany. Shallow depression forming over central Spain in evening.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 158.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	46.5	?	39	?	EASTBOURNE	76.1	?	67	?
OSWALDKIRK (Yorkshire)	66.4	?	57	?	MANCHESTER (Oldham Road)	56.3*	?	48*	?
WORKSOP	63.8	+28.7	55	+24	TENBY	58.7*	?	51*	?
THURCASTON (Leicestershire)	67.0	+31.5	58	+26	NEWQUAY	61.3	?	55	?
MARGATE	70.2	?	62	?	TORQUAY	73.4*	?	66*	?
WESTBOURNE (Sussex)	76.3*	?	63*	?	ARLEY COTTAGE (County Cavan)	34.6	?	30	?
BRIGHTON	73.7	?	65	?	GUERNSEY	78.3*	?	71*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 28.]
Third Series.

WEEK ENDING SATURDAY, JULY 14TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 164.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	67	42	59.8	50.9	55.0	0 (average)	Day-deg. 91	Day-deg. +14	Day-deg. 0	Day-deg. 0	Day-deg. 1016*	Day-deg. +228	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	69	39	62.9	51.0	56.6	0 (average)	102	+ 3	0	0	1073	+ 25	581	+ 8
	2. ENGLAND, N.E.	73	45	66.2	51.4	58.3	0 (average)	114	+ 2	0	0	1169	+ 93	455	- 51
	3. ENGLAND, EAST.	75	46	67.6	51.0	58.7	2 below.	117	- 7	0	0	1426	+122	471	-100
	4. MIDLAND COUNTIES.	73	43	68.3	49.8	58.4	2 below.	115	- 4	0	0	1453	+135	483	- 79
5. ENGLAND, SOUTH	72	46	65.7	53.1	59.0	2 below.	119	- 9	0	0	1354	+137	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	72	40	62.9	50.0	56.0	1 below.	98	-12	0	0	1170	+ 67	345	- 69
	7. ENGLAND, N.W.	70	44	64.2	51.9	57.6	1 below.	109	- 1	0	0	1349	+181	300	- 122
	8. ENGLAND, S.W.	71	42	63.2	51.8	57.1	2 below.	106	-10	0	0	1472	+146	236	- 81
	9. IRELAND, NORTH	69	40	61.3	50.4	55.5	2 below.	95	- 7	0	0	1259	+ 54	334	- 33
	10. IRELAND, SOUTH	68	45	62.6	51.7	56.8	2 below.	104	- 8	0	0	1516	+131	217	- 67
	-CHANNEL ISLANDS	67	52	63.2	55.2	58.9	2 below.	118	- 6	0	0	1717	+235	94	- 18

DISTRICTS. (See p. 164.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	19	10ths of ins. 11 more.	126	- 1	Ins. 20.6*	+ 6.8	10	-17	8	- 14	719	+ 97	34	+ 4
	1. SCOTLAND, EAST	6	11	4 more.	114	+11	20.1	+ 5.0	19	-22	16	- 18	819	+ 61	35	+ 2
	2. ENGLAND, N.E.	4	7	1 more.	111	+16	13.4	+ 1.0	38	+ 3	33	+ 3	845*	+135	34	+ 5
	3. ENGLAND, EAST.	6	14	8 more.	103	+10	13.1	+ 0.7	39	-10	33	- 9	945	+ 58	38	+ 3
	4. MIDLAND COUNTIES.	5	5	1 less.	106	+14	12.2	- 1.7	42	+ 3	37	+ 4	882	+109	35	+ 4
5. ENGLAND, SOUTH	6	18	13 more.	101	+11	14.3	+ 1.0	46	- 1	41	- 1	1018	+102	29	+ 4	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	5	4 less.	124	+15	28.8	+ 4.4	34	- 5	29	- 5	830	+ 22	33	+ 1
	7. ENGLAND, N.W.	4	3	4 less.	118	+19	17.8	+ 2.1	41	+ 5	36	+ 4	829	+ 92	35	+ 4
	8. ENGLAND, S.W.	7	11	3 more.	117	+15	19.3	+ 0.1	39	- 7	35	- 6	1025	+ 67	40	+ 3
	9. IRELAND, NORTH	6	10	2 more.	132	+15	22.4	+ 5.1	18	-12	16	- 10	763	+ 14	31	+ 1
	10. IRELAND, SOUTH	6	12	6 more.	125	+17	23.0	+ 3.6	22	-14	19	- 12	851	- 23	34	- 1
	-CHANNEL ISLANDS	6	18	15 more.	118	+ 8	17.1	+ 1.4	41	- 8	37	- 8	1105	+ 38	45	+ 2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather. During this period was very unsettled and rainy over the entire Kingdom. Thunder and lightning occurred in many places during the middle part of the week and again in some localities towards its close.

Temperature just equalled the mean in Scotland N. and E. and England N.E.; in all other parts of the Kingdom it was below, the deficit being 1° in the west of Scotland and north-west of England and 2° elsewhere. The highest of the maxima were recorded on rather irregular dates, and ranged from 75° in England E. and 78° in England N.E. and the Midland Counties to 67° in Scotland N. and the Channel Islands. The lowest of the minima were registered on the 8th, when they ranged from 39° in Scotland E. to 46° in England S. and E. and 52° in the Channel Islands.

Rainfall was less than the mean in the Midland Counties, Scotland W., and England N.W., but exceeded it in all other districts. In Scotland N., England E. and S., and in the Channel Islands, the excess was very large. The falls which were experienced over the south and south-east of England during the latter part of Tuesday and in the north-east of Scotland early on Thursday ranged from 1.3 ins. to 1.0 ins. and amounted to nearly an inch in several other regions.

Bright Sunshine was less than the normal in almost all districts, the deficit being most marked in Ireland and Scotland. The percentage of the possible duration ranged from 8 in Scotland N., 16 in Scotland E., and Ireland N., to 37 in the Midland Counties and the Channel Islands, and to 41 in England S.

Barometer and Wind.—The distribution of pressure over the United Kingdom was somewhat complex, and several depressions, mostly small, appeared over us from the Atlantic. The system which caused the heavy rains in the south and south-east on Tuesday was well defined, and the barometric pressure about its centre low for the time of year. Its movement was peculiar, as after appearing at the mouth of the Channel on Tuesday morning and travelling east-north-eastwards to the coast of Holland by Wednesday, it moved northwards to the south-west of Norway, and finally westwards and west-south-westwards to the northern parts of Scotland; at the end of the week it was passing away to the northward. Moderate winds from between South and West prevailed generally, but were occasionally North-Westerly for a time in the south, and South-Easterly or Easterly in the extreme north.

II.—DATA from which the SUMMARY on page 163 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	62	51	60.9	52.3	56.6	+ 4.4	102	0	5	0.75	+0.25	*	*	*
	Stornoway	60	48	57.3	49.6	53.2	- 1.0	78	0	7	2.42	+1.72	17.3	-17.1	14
	Wick	64	45	60.3	52.0	55.9	+ 1.2	97	0	7	1.99	+1.49	*	*	*
	Lairg	67	49	60.3	50.7	55.2	- 0.1	92	0	6	1.69	+1.04	*	*	*
	Glencarron	63	42	59.1	48.7	53.6	- 0.8	81	0	7	2.48	+1.13	*	*	*
	Fort Augustus	61	44	60.5	50.8	55.3	- 1.1	93	0	7	1.74	+1.04	2.1	?	2
1. SCOTLAND, E.	Fort William	65	49	59.9	51.6	55.5	- 1.1	95	0	7	1.88	+0.70	10.4	?	9
	Nairn	66	41	61.6	49.1	54.9	- 2.3	90	0	7	1.77	+1.24	*	*	*
	Aberdeen	69	51	63.4	53.3	58.0	+ 1.3	112	0	7	1.50	+0.91	17.5	-22.3	15
	Braemar	61	39	57.4	47.7	52.2	- 2.3	71	0	6	0.90	+0.26	7.2†	††	6†
	Ochertyre	67	49	64.1	51.0	57.1	+ 0.2	106	0	6	0.78	+0.06	*	*	*
	Leith	69	48	65.9	51.9	58.4	0.0	115	0	5	0.43	-0.18	*	*	*
2. ENGLAND, N.E.	Marchmont	69	50	65.1	53.1	58.7	+ 2.0	117	0	3	0.97	+0.21	33.0	?	28
	Alnwick Castle	67	46	64.3	51.3	57.4	+ 0.5	108	0	5	0.58	-0.04	*	*	*
	Durham	73	45	68.6	49.8	58.6	0.0	116	0	3	0.41	-0.24	40.1	+ 3.7	34
	Shields	70	48	64.0	51.1	57.1	- 0.6	106	0	3	0.57	0.00	*	*	*
	Scarborough	70	49	67.7	52.4	59.5	+ 0.8	123	0	5	0.94	+0.34	*	*	*
	York	71	47	67.7	50.6	58.6	- 1.0	116	0	5	1.11	+0.52	40.7	+ 3.8	35
3. ENGLAND, E.	Spurn Head	69	50	64.6	53.0	58.4	- 1.3	115	0	5	0.49	+0.11	*	*	*
	Hillington	72	46	68.7	50.2	58.8	- 1.4	118	0	5	1.44	+0.79	36.3	- 6.7	32
	Yarmouth	68	50	65.0	52.4	58.3	- 1.7	114	0	6	1.66	+1.05	*	*	*
	Geldeston	71	47	67.1	50.5	58.2	- 2.1	113	0	7	1.78	+1.18	30.0	-16.7	27
	Cambridge	75	46	70.3	50.3	59.6	- 1.6	123	0	6	0.90	+0.35	38.0	- 5.8	34
	Rothamsted	71	46	66.7	51.4	58.5	- 1.4	116	0	7	1.39	+0.77	42.2	?	37
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall) . .	73	43	70.3	48.6	58.7	- 1.5	117	0	5	0.28	-0.34	*	*	*
	Loughborough	73	47	70.7	50.7	60.0	- 1.4	126	0	4	0.46	-0.06	*	*	*
	Stamford (Ketton Hall) .	72	43	69.6	49.3	58.7	- 2.4	117	0	6	0.91	+0.31	*	*	*
	Cheadle	69	46	65.5	48.8	56.6	- 1.0	102	0	5	0.18	-0.52	*	*	*
	Churchstoke	71	44	68.2	49.4	58.2	- 2.0	113	0	5	0.30	-0.24	*	*	*
	Hereford	69	45	66.7	49.6	57.6	- 1.5	109	0	5	0.53	-0.13	44.4	+ 3.0	39
5. ENGLAND, S.	Cirencester	69	45	66.7	49.6	57.6	- 1.5	109	0	5	0.53	-0.13	44.4	+ 3.0	39
	Oxford	70	50	67.0	52.3	59.1	- 1.4	120	0	6	1.04	+0.46	46.5	+ 3.9	41
	London	72	49	68.6	52.3	59.9	- 2.4	125	0	7	2.50	+1.98	42.8†	+ 3.7†	38†
	North Foreland	69	50	65.9	52.1	58.5	- 1.7	116	0	5	1.93	+1.41	*	*	*
	Strathfield Turgiss . . .	72	46	68.5	51.5	59.4	- 1.8	122	0	7	1.67	+1.15	*	*	*
	Dungeness	66	54	64.6	55.3	59.6	- 1.5	123	0	4	1.10	+0.58	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards) .	66	51	63.8	53.3	58.2	- 2.8	113	0	4	1.31	+0.83	47.8	- 2.2	43
	Southampton	69	51	67.1	53.6	59.9	- 1.3	125	0	7	2.54	+1.99	42.6	- 3.6	38
	Hurst Castle	65	55	63.9	56.0	59.7	- 1.3	124	0	5	2.09	+1.59	*	*	*
	Stowell	65	46	63.4	50.6	56.6	- 3.3	102	0	6	1.40	?	*	*	*
	Laudale (Loch Sunart) . .	72	48	63.0	51.1	56.6	+ 0.2	102	0	6	1.14	-0.11	*	*	*
	Glasgow	67	48	62.3	50.8	56.4	- 0.3	101	0	4	0.65	-0.13	20.0	-12.0	17
7. ENGLAND, N.W.	Ardrossan	68	48	61.9	51.6	56.4	- 0.8	101	0	4	0.50	-0.14	*	*	*
	Glenlee	67	40	64.1	47.8	55.4	- 1.1	94	0	1	0.08	-0.34	*	*	*
	Douglas (Isle of Man) . .	64	45	62.6	48.5	55.1	- 2.0	92	0	2	0.05	-0.61	47.4	+ 1.7	41
	Stonyhurst	66	46	63.7	50.7	56.8	- 1.5	104	0	4	0.55	-0.45	51.5	+13.0	45
	Blackpool	67	45	64.9	53.2	58.6	- 0.3	116	0	5	0.09	-0.59	43.2	+ 2.7	38
	Manchester (Prestwich) .	68	44	64.8	51.1	57.5	- 0.9	109	0	3	0.31	-0.51	38.7	?	34
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston) .	68	49	64.3	52.0	57.7	- 2.0	110	0	3	0.58	-0.06	*	*	*
	Llandudno	64	49	63.4	52.5	57.6	- 2.1	109	0	6	0.19	-0.36	36.1	- 1.7	32
	Holyhead	70	50	64.0	51.9	57.5	- 1.3	109	0	5	0.31	-0.21	*	*	*
	Llandovery	69	42	65.9	49.6	57.2	- 2.1	106	0	7	0.79	-0.06	*	*	*
	Pembroke	61	54	60.0	54.3	57.0	- 1.1	105	0	?	?	?	41.0	- 6.0	36
	Bristol (Montpelier) . .	71	49	66.8	53.3	59.6	- 1.0	123	0	6	0.70	+0.02	*	*	*
9. IRELAND, N.	Arlington (N. Devon) . .	66	46	62.1	50.0	55.6	- 2.5	95	0	7	0.68	-0.34	*	*	*
	Cullompton	69	45	65.8	50.3	57.5	- 2.1	109	0	7	1.40	+0.75	29.1	-11.7	26
	Falmouth	67	51	62.6	52.5	57.2	- 2.5	106	0	6	1.11	+0.41	43.0	- 6.0	39
	Plymouth	63	47	61.6	51.8	56.4	- 4.8	101	0	7	1.29	+0.69	37.8	- 6.2	34
	Prawle Point	62	52	60.4	52.6	56.2	- 2.5	99	0	6	1.44	+0.94	*	*	*
	Malin Head	61	50	58.4	52.0	55.0	- 1.9	91	0	5	0.64	?	*	*	*
10. IRELAND, S.	Londonderry	69	47	62.6	50.4	56.1	- 1.9	99	0	7	1.25	+0.43	*	*	*
	Edenfel (Omagh)	65	45	60.3	49.4	54.5	- 3.0	88	0	7	0.85	+0.13	*	*	*
	Behnullet	63	49	60.0	51.9	55.7	- 1.7	96	0	7	0.86	?	*	*	*
	Markree Castle	64	40	61.0	48.4	54.3	- 2.2	86	0	7	1.78	+1.00	20.6	- 9.4	18
	Brookeborough	66	45	61.4	50.0	55.3	- 1.7	93	0	5	0.83	+0.06	*	*	*
	Armagh	65	45	62.0	48.8	54.3	- 3.0	90	0	7	1.63	+0.35	17.4	-15.4	15
CHANNEL ISLANDS.	Donaghadee	68	51	62.6	53.9	58.0	+ 0.9	112	0	6	0.50	-0.10	*	*	*
	Edgeworthstown	67	43	63.3	49.1	55.7	- 1.8	90	0	6	0.93	+0.14	*	*	*
	Dublin	68	51	64.2	52.9	58.2	- 1.7	113	0	7	0.75	+0.23	36.5	-10.5	23
	Parsonstown	64	45	63.7	49.6	56.2	- 2.1	99	0	6	1.39	+0.74	12.7	-21.8	11
	Kilkenny	67	47	63.9	51.3	57.2	- 1.3	106	0	6	1.52	+0.97	*	*	*
	Waterford	65	50	62.4	51.9	56.8	- 2.9	104	0	5	0.62	-0.12	*	*	*
CHANNEL ISLANDS.	Roche's Point	63	48	60.0	51.6	55.5	- 3.0	95	0	7	1.24	+0.36	26.7	-10.3	24
	Valencia	65	45	61.8	51.1	56.1	- 1.9	99	0	7	2.10	?	*	*	*
	Killarney	65	50	62.3	53.3	57.6	- 0.9	109	0	5	1.03	?	*	*	*
	Foynes	65	54	62.6	55.7	58.9	- 0.8	113	0	7	1.08	+0.55	33.1	?	30
	Scilly (St. Mary's) . . .	67	52	63.7	54.7	58.9	- 2.8	118	0	5	2.60	+1.97	43.5	- 8.4	40
	Jersey	67	52	63.7	54.7	58.9	- 2.8	118	0	5	2.60	+1.97	43.5	- 8.4	40

Stations marked *ff* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

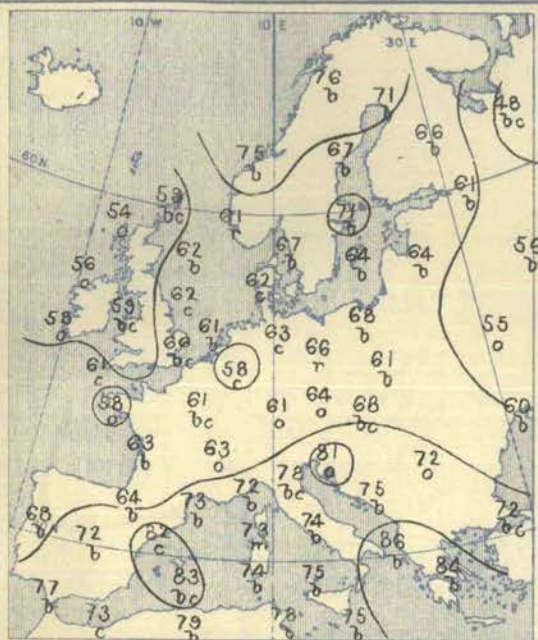
* An asterisk is inserted in all places for which the information is not usually received.

†The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 8th July.

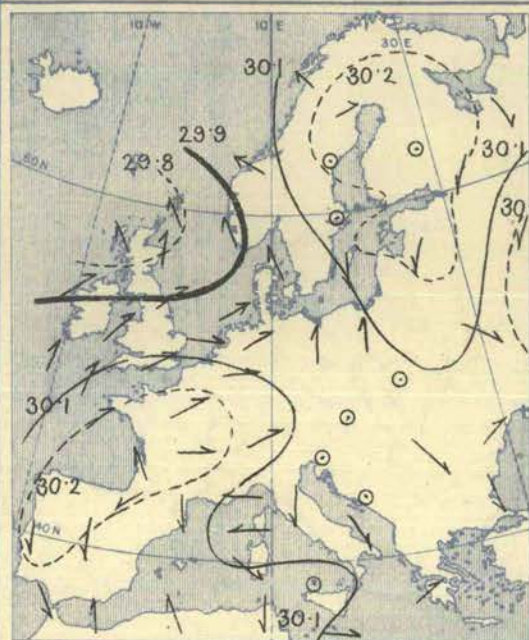
Temperature and Weather.

8 a.m.

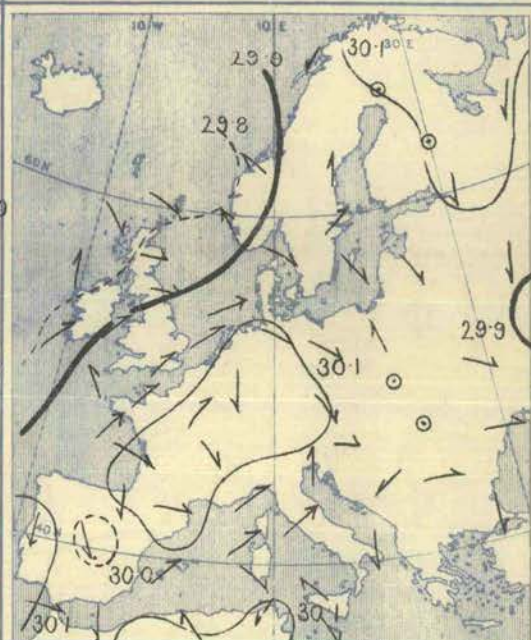


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Continent as a whole, very variable in our Islands, clear at some stations, dull at others, changeable, as a whole, and showery in the extreme north-west. Rain later in all parts of our Islands, in the north and north-west of France, and in some parts of Germany and Austria; thunder reported at Wick and over central Germany.

Temperature fallen a little over most of the north-western and western countries, risen over Lapland, Russia, and south-eastern Europe. Morning readings highest, 81° at Patras, 83° at Palma, 82° at Barcelona, and exceeding 70° over southern Europe generally, as well as in Lapland and the north-west of Norway. Lowest, (1) 48° at Archangel and ranging between 54° and 58° over central Russia; (2) 54° to 59° over Ireland, the west of Scotland, and north-west of England, 58° at Brussels. Rising later to 70° or more over England, to 82° at Nice, and 86° at Perpignan, 85° to 90° over Italy, and to between 90° and 95° in some parts of Algeria.

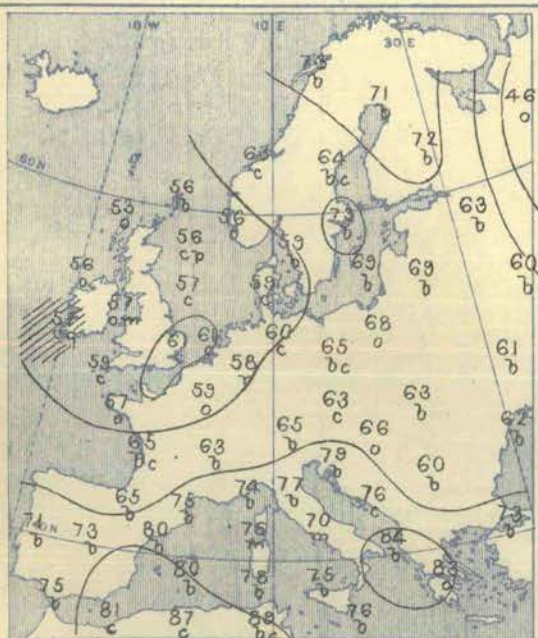
Wind light and very variable over nearly the whole of the Continent and the Mediterranean; Westerly to South-Westerly and moderate over the English Channel. South-Westerly over the Netherlands and Holstein, Southerly over Scotland, South-Easterly over Denmark and the west of Norway. Becoming more Southerly over England and Ireland later, but remaining moderate in force; freshening over the northern parts of the Mediterranean.

Barometer highest, 30.2 ins. and more to 30.0 ins. over the greater part of the Continent and south of England, there being two maxima, one over northern, the other over south-western Europe. Lowest, 29.8 ins. and less over Scotland, and 29.9 ins. and less over the south-east of Russia. Falling decidedly at our south-western and western stations later, as well as over Scandinavia and the Baltic.

Monday, 9th July.

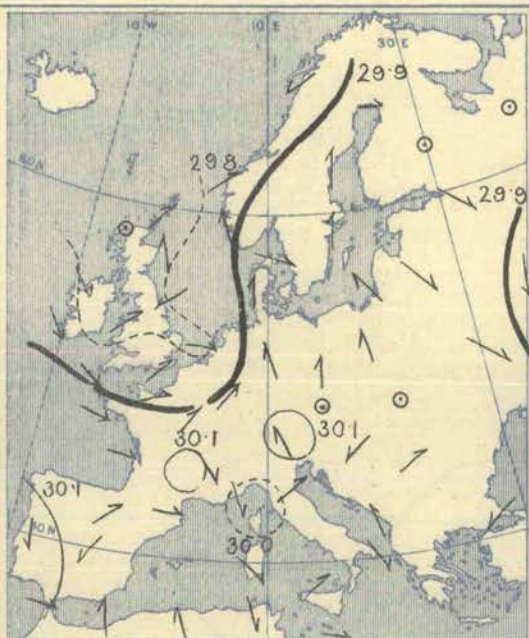
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Finland, Russia, south-eastern Europe, the Mediterranean, and the Iberian Peninsula, cloudy, changeable, and unsettled over the whole of the British Islands, the North Sea, Holland, Belgium, and the North of France, with rain in several places. Rain falling subsequently in nearly all parts of our Islands, western and northern Europe, heavily in the north of England; thunderstorms occurring in the east and north-east of England, and solar halos seen in the south.

Temperature still decreasing unsteadily over the north-western countries, and fall spreading over central Europe. Morning readings highest, 75° to 87° at the Algerian stations, 83° at Patras, 80° at Palma and Barcelona; exceeding 70° over southern Europe generally, as well as over Finland, Lapland, and parts of Sweden. Lowest, (1) 46° at Archangel; (2) 53° at Stornoway, 54° at Nairn, 56° at Loughborough, 58° at Brussels, and 59° at Paris. Rising later to between 70° and 75° over the inland parts of England, to 77° at Paris, 84° at Lyons and Nice, and 90° or more at Perpignan, and over Italy and Algeria.

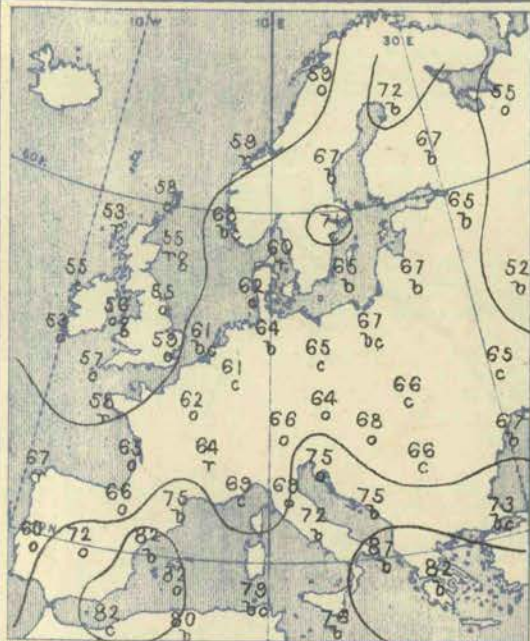
Wind (1) chiefly Northerly and light over Russia; (2) extremely variable and light over the Baltic, central and southern Europe; (3) North-Westerly and Westerly, light, over the greater part of Ireland, and moderate in the Bay of Biscay, Westerly to Southerly over England and the Channel, calm or very light Southerly over Scotland. Remaining almost unchanged during day.

Barometer highest, 30.1 ins. and more to 30.0 ins. over the Mediterranean, southern and central Europe, the Baltic, Finland, and the White Sea. Lowest, below 29.8 ins. over Scotland and the northern parts of Ireland and England; below 29.9 ins. over the north of Norway, and also over south-eastern Russia. Falling unsteadily over our Islands and western Europe later, and distribution becoming complex.

Tuesday, 10th July.

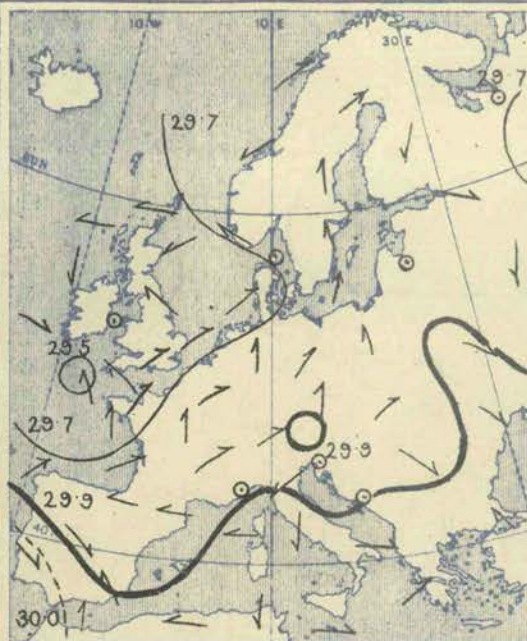
Temperature and Weather.

8 a.m.

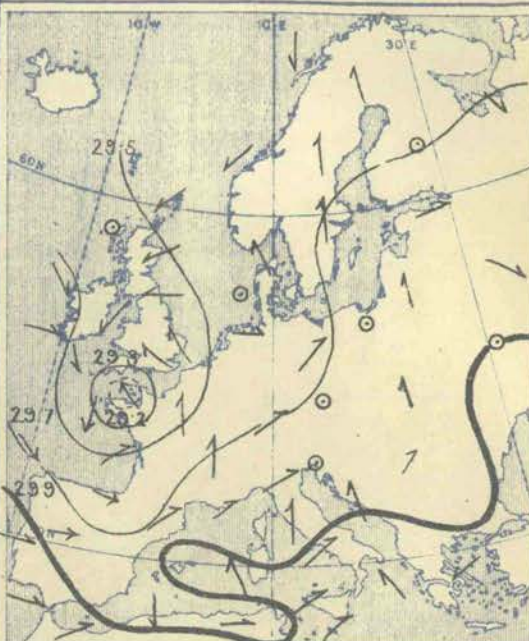


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Sweden, Finland, and the north of Russia, also over south-eastern Europe and Algeria; very cloudy and unsettled over north-western Europe and the British Islands, with rain in several places. Heavy continuous rain falling over France, the Channel Islands, and the south-east of England later; heavy falls in the south of France also, smaller quantities in most other places, but 0.75 ins. at Stornoway. Thunderstorms occurring at Nairn and over the English Channel.

Temperature in morning highest, 82° at Patras and in the east of Spain, 75° to 82° at the Algerian stations, and above 70° over southern Europe as a whole, and 65° to 72° over Finland. Lowest, (1) 52° at Moscow, 55° at Archangel, 58° at Kharkov; (2) 53° to 59° over nearly the whole of the United Kingdom. Rising later to 70° or more at a few stations in England and at all the Swedish stations, to 69° at Paris, 81° at Nice, 84° at Berlin, and 90° at Perpignan, and still higher over Italy and Algeria.

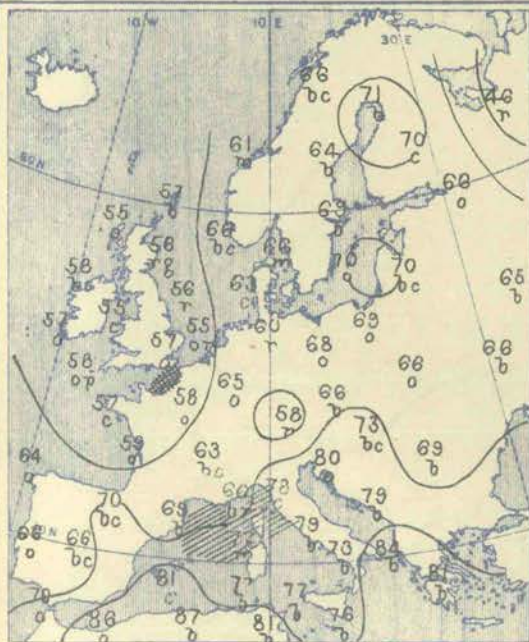
Wind Westerly to South-Westerly and fresh in the west of Spain, Southerly to South-Easterly over the Channel and north of France; South-Westerly (light) over the Netherlands, Southerly over the Baltic, light and very variable elsewhere. Shifting from South to West over France later, extremely variable over the United Kingdom, backing round from South to East and North in London. A separate circulation being developed over the south-east of France in evening.

Barometer highest, 30.0 ins. and more over the south-west of Spain, and exceeding 29.8 ins. over southern, south-eastern, central, and northern Europe generally. Lowest, 29.6 ins. to 29.5 ins. over the northern and western parts of the British Islands; where several local disturbances were found. Well-marked system advancing over the Channel and north of France from the Westward later.

Wednesday, 11th July.

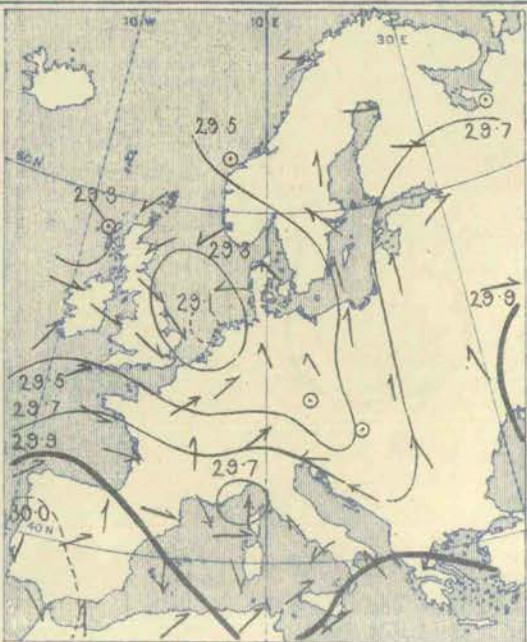
Temperature and Weather.

8 a.m.

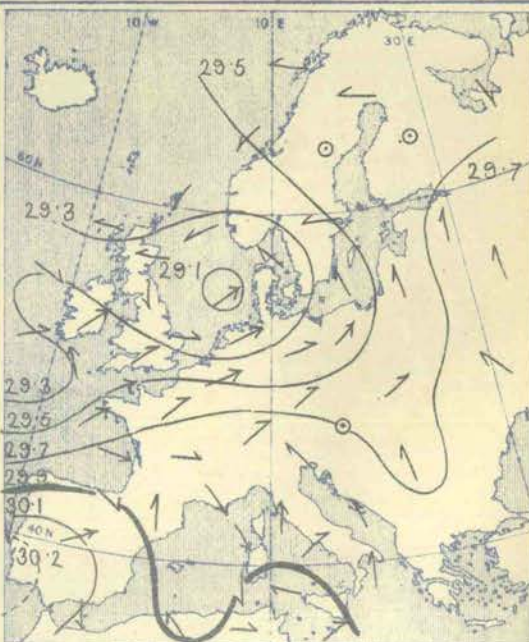


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright (1) over Lapland and Sweden; (2) over south-eastern Europe, Algeria, and many parts of the Mediterranean; cloudy, showery, and very changeable over the United Kingdom and north-western Europe generally. Rain falling subsequently over almost the whole of the last-named regions, amounts large at Faerder, and very considerable in Denmark, as well as at Parsonstown and several of our southern stations, thunderstorms in Germany. Heavy falls over Hungary also.

Temperature in morning highest, 80° or more at Athens, Brindisi, Tunis, Algiers, and Palma, and exceeding 70° over the Mediterranean generally, as well as in some parts of Finland. Lowest, 46° at Archangel, 54° at Loughborough, 55° at Stornoway, Nairn, Malin Head, and Cape Gris Nez. Rising later to between 65° and 70° over the greater part of the British Islands, 71° at Paris, 73° at Berlin, and 84° to 85° in the south of France.

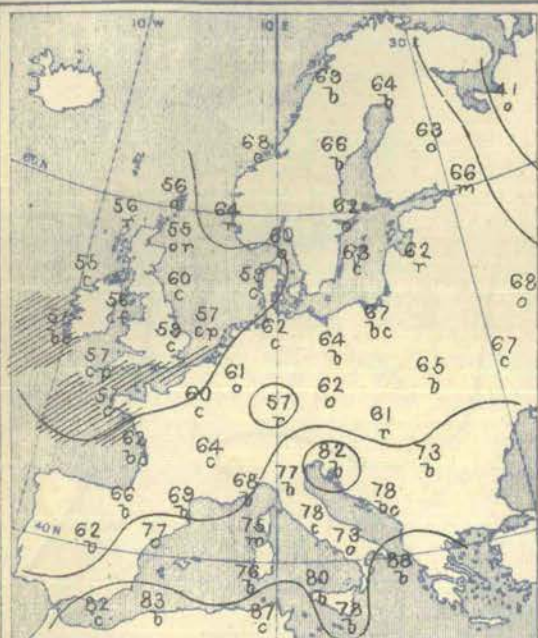
Wind Westerly to North-Westerly over France and the south of our Islands, and blowing a moderate gale in some parts of the Channel; South-Easterly and light over central and northern Europe, Easterly over Denmark, very variable elsewhere. A well-marked cyclonic circulation, however, over the Gulf of Genoa and north-eastern parts of the Mediterranean generally. Backing to South-East and South over the south-west of England later, and blowing a fresh gale from West-South-West in the Straits of Dover.

Barometer highest, (1) 30.0 ins. and more to 29.8 ins. over the Spanish Peninsula and south-west of France; (2) 29.9 ins. and more to 29.8 ins. over the southern half of Russia. Lowest, 29.3 ins. and less off our north-western coasts; below 29.2 ins. in a small depression near the Heider; and below 29.7 ins. over the Riviera and Corsica. New depression approaching the south-west of Ireland later, while that near Holland moved north-eastwards.

Thursday, 12th July.

Temperature and Weather.

8 a.m.

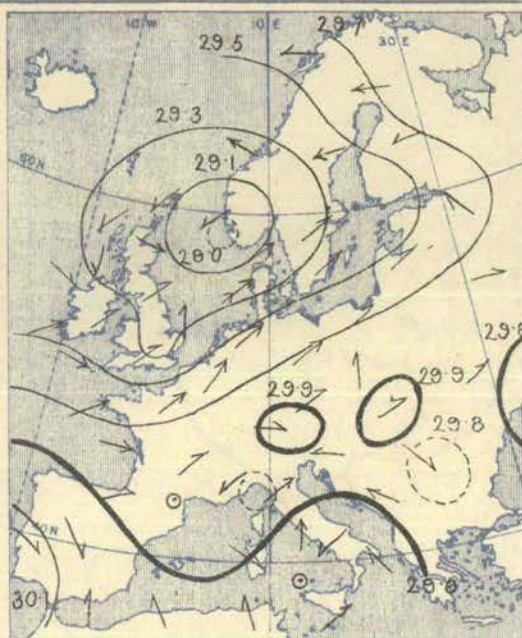


Weather in morning fine and bright over south-eastern and south-western Europe, and many parts of the Mediterranean; very changeable and unsettled over the northern countries, with rain at several stations. Showers falling during the day over all the last-named regions, heavy rain (more than an inch) in the north of Scotland, thunderstorms over our midland and eastern counties.

Temperature in morning exceeding 80° at most of the Algerian stations, 88° at Brindisi, 80° at Palermo, exceeding 60° over the Continent as a whole, 69° at Bodo, 68° at Moscow, 67° at Kiev, Neufahrwasser, and Hangö. Lowest, 54° at Wick, 55° at Aberdeen, Belmullet, and Parsonstown, 57° at Limoges and Munich. Rising later to slightly above 70° in the north of England, to 71° at Paris, 77° at Berlin, 79° at Nice, and 84° at Perpignan.

Barometer and Wind.

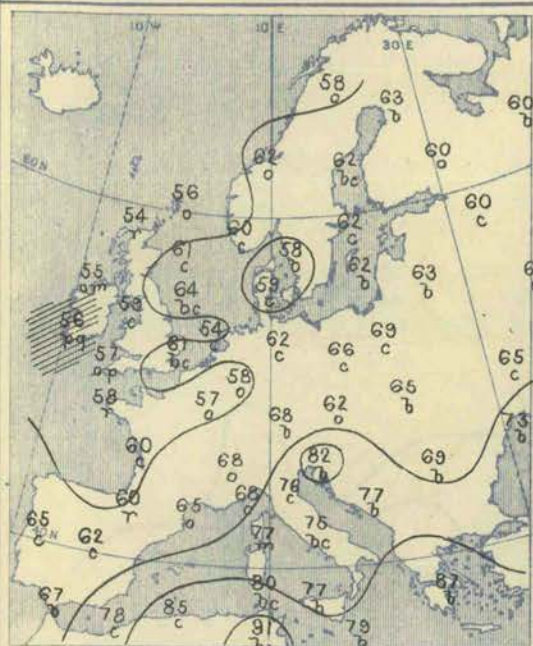
8 a.m.



Saturday, 14th July.

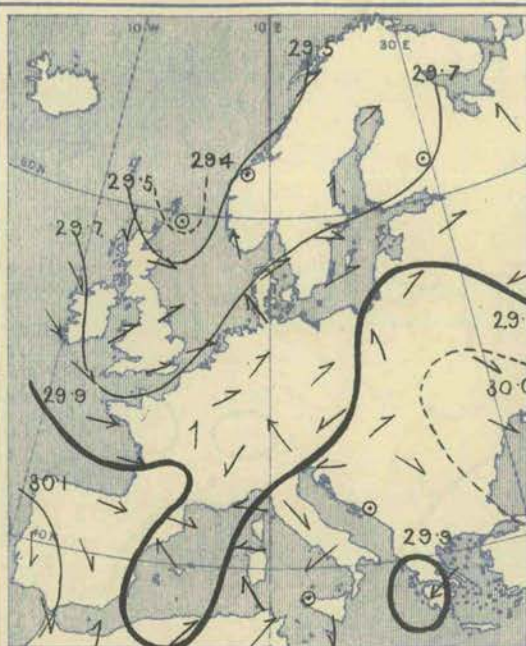
Temperature and Weather.

8 a.m.

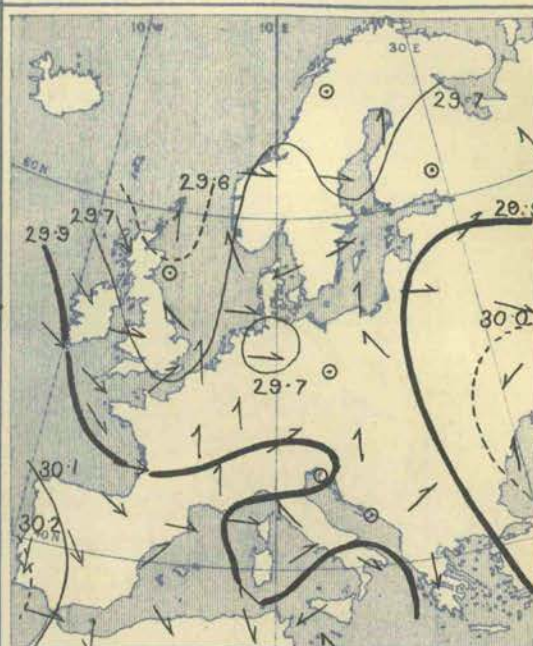


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Algeria, Italy, and south-eastern Europe, as well as over the extreme north of Russia; cloudy and unsettled in the British Islands and their neighbourhood, with a little rain in several places. Rain showers later over many parts of the United Kingdom, Germany, and France, thunder in many localities, and a sharp local thunderstorm at Trieste.

Temperature in morning highest, 91° at La Calle, and much above 80° at many of the Algerian and Tunisian stations and in Greece; above 70° on the Mediterranean coasts generally, and above 60° almost all over the Continent. Lowest, 54° to 56° in the extreme north of our Islands, 55° at Belmullet and Parsonstown, 57° at Paris, 58° at Limoges and Brussels. Rising later to more than 100° at Laghouat and Tunis, to 90° and more over Italy.

Wind (1) light and variable over the greater part of the Continent, but mainly Easterly in the south of France; (2) Northerly and North-Westerly over Ireland, the west of Scotland, and the Iberian Peninsula, Westerly over the west of France and English Channel, South-South-West to South-South-East over the North Sea, Southerly to South-Easterly over Norway and Denmark. The North-Westerly wind in the west spreading Eastwards later, and a small cyclonic circulation setting up over Austria.

Barometer highest, 30.1 ins. and more to 29.9 ins. over the Spanish Peninsula and southern part of the Bay of Biscay; 30.0 ins. and more to 29.9 ins. over the southern half of Russia. Lowest, 29.4 ins. and less in a depression over the Shetlands, and below 29.9 ins. over the Balearic Isles and their neighbourhood. New shallow disturbances appearing over central Europe later, that over north of Scotland filling up.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

In the course of this week there has been a marked decrease of pressure over the whole of Europe, but especially over the British Isles and the other north-western countries. Within these regions several small depressions have appeared, some advancing from the Atlantic, while others were developed over the United Kingdom itself or neighbouring countries. The weather has consequently been very unsettled and rainy, especially in the west and north, and thunderstorms have occurred in many places. The storms of the 10th-11th were severe, and long continued over the south of England, the Channel, and the north of France, and were accompanied by falls of rain exceeding an inch in many places, and amounting to 1.6 ins. at Jersey.

At the close of the week there was very little indication of improvement.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 164.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	18.0	?	15	?	EASTBOURNE	49.9	?	45	?
OSWALDKIRK (Yorkshire)	32.9	?	29	?	MANCHESTER (Oldham Road)	34.2*	?	30*	?
WORKSOP	40.7	+ 5.0	36	+ 4	TENBY	40.9*	?	36*	?
THURCASTON (Leicestershire)	36.6	- 0.2	32	- 1	NEWQUAY	41.6	?	37	?
MARGATE	36.4	?	33	?	TORQUAY	41.6*	?	37*	?
WESTBOURNE (Sussex)	45.3*	?	40*	?	ARLEY COTTAGE (County Cavan)	16.1	?	14	?
BRIGHTON	54.1	?	48	?	GUERNSEY	46.4*	?	42*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 29.]
Third Series.

WEEK ENDING SATURDAY, JULY 21ST, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90 only.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 170.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	68	42	61.0	49.4	54.8	0 (average)	Day-deg. 90	Day-deg. +10	Day-deg. 0	Day-deg. 0	Day-deg. 1106	Day-deg. +238	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	72	40	64.2	48.9	56.0	1 below.	98	- 3	0	0	1171	+ 21	581	+ 8
	2. ENGLAND, N.E.	70	45	64.3	51.8	57.6	1 below.	109	- 5	0	0	1278	+ 88	455	- 51
	3. ENGLAND, EAST.	70	48	65.3	51.1	57.7	3 below.	110	-17	0	0	1537*	+106	471	-100
	4. MIDLAND COUNTIES.	75	45	65.9	51.5	58.2	2 below.	113	- 8	0	0	1566	+127	483	- 79
5. ENGLAND, SOUTH	71	49	65.4	54.0	59.3	2 below.	121	-10	0	0	1675	+127	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	43	62.5	50.0	55.8	2 below.	97	- 6	0	0	1267	+ 61	345	- 69
	7. ENGLAND, N.W.	68	44	62.7	52.8	57.4	2 below.	108	- 5	0	0	1457	+173	301*	-121
	8. ENGLAND, S.W.	73	48	63.1	53.4	57.9	2 below.	111	- 7	0	0	1583	+139	236	- 81
	9. IRELAND, NORTH	70	49	61.5	52.0	56.4	1 below.	101	- 3	0	0	1361*	+ 52	334	- 33
	10. IRELAND, SOUTH	69	44	62.7	52.9	57.5	1 below.	109	- 5	0	0	1625	+126	217	- 67
	—CHANNEL ISLANDS	69	55	63.6	56.2	59.6	2 below.	123	- 4	0	0	1840	+231	94	- 18

DISTRICTS. (See p. 170.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of in. 12	10ths of ins. 4 more.	181	- 1	31.8	+ 7.1	22	0	18	0	741	+ 97	34	+ 4
	1. SCOTLAND, EAST	5	11	4 more.	119	+12	21.2	+ 5.4	29	- 5	25	- 5	848	+ 56	35	+ 2
	2. ENGLAND, N.E.	6	10	4 more.	117	+18	14.4	+ 1.4	26	-10	22	- 9	871	+125	34	+ 5
	3. ENGLAND, EAST.	5	6	0 (average)	108	+11	13.7	+ 0.7	22	-23	20	-21	967	+ 36	37	+ 2
	4. MIDLAND COUNTIES.	5	5	2 less.	111	+15	12.7	- 1.9	21	-18	19	-16	903	+ 91	34	+ 3
5. ENGLAND, SOUTH	6	7	2 more.	107	+14	15.0	+ 1.2	19	-26	17	-23	1037	+ 76	23	+ 3	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	8	1 less.	129	+15	29.6	+ 4.3	34	- 3	30	- 3	864	+ 20	31	+ 1
	7. ENGLAND, N.W.	6	10	2 more.	124	+20	18.8	+ 2.3	23	-12	20	-11	843	+ 80	34	+ 3
	8. ENGLAND, S.W.	6	7	1 less.	123	+16	20.0	0.0	25	-19	23	-17	1050	+ 50	31	+ 2
	9. IRELAND, NORTH	7	12	4 more.	139	+17	23.6	+ 5.5	22	-11	19	-10	785	+ 2	30	0
	10. IRELAND, SOUTH	5	5	2 less.	150	+17	23.5	+ 3.4	23	-12	21	-10	874	- 35	33	- 2
	—CHANNEL ISLANDS	5	7	2 more.	123	+ 9	17.8	+ 1.6	26	-30	23	-28	1131	+ 8	44	+ 1

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was cool and very unsettled, with frequent showers in all districts. Thunderstorms occurred in Norfolk on the 18th, and over the northern parts of Great Britain generally on the 20th and 21st, the accompanying rainfall being in some cases rather heavy.

Temperature was below the mean in all districts excepting Scotland N., the deficit amounting to only 1° or 2° in most places, but to 3° in England E. The highest readings were recorded on rather irregular dates, but mostly on the 20th and 21st, when the thermometer rose to 70° or a little above in most of the Wheat producing districts, as well as in England S.W. and Ireland N., and to 75° in the Midland Counties. At a large number of stations in the Grazing districts the thermometer never exceeded 65°. The lowest readings which were registered at various times in the different districts ranged from 40° in Scotland E., to 49° in England S. and Ireland N., and to 55° in the Channel Islands.

Rainfall was less than the mean in the Midland Counties, Scotland W., England S.W., and

Ireland S., and just equal to it in England E.; elsewhere there was a rather considerable excess. Amounts exceeding an inch were recorded at some of the stations in Scotland N. on the 17th.

Bright Sunshine showed a fair agreement with the average in Scotland, but was very deficient in Ireland and England. The percentage of the possible duration exceeded 25 in one district only (Scotland W.), and was at or below 20 over a considerable portion of England. In Scotland N. there was only 18 per cent. of the possible amount, and in England S. only 17 per cent.

Barometer and Wind.—During nearly the whole of the week the barometer was highest over France and Spain, and lowest in a series of shallow depressions which advanced over the northern parts of our Islands from the westward. The prevailing winds were, therefore, Westerly (South-West to North-West), and, although light or moderate in force generally, they occasionally blew with considerable strength on the more exposed parts of our western and southern coasts. At the close of the week small secondary disturbances appeared over our southern districts, and the distribution of pressure was becoming somewhat irregular.

II.—DATA from which the SUMMARY on page 169 has been calculated

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
											Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	62	46	60.4	50.9	55.3	+ 2.7	93	0	3	0.24	- 0.28	*	*	*	*
	Stornoway	61	48	59.0	50.1	54.2	- 0.4	85	0	7	2.11	+1.43	32.2	+ 0.2	27	0
	Wick	68	42	60.4	48.3	53.9	- 1.2	83	0	5	1.42	+0.89	*	*	*	*
	Lairg	63	42	60.1	47.1	53.2	- 2.2	78	0	5	1.67	+0.99	*	*	*	*
	Glencarron	64	47	61.5	48.0	54.3	- 0.2	86	0	6	0.93	-0.47	*	*	*	*
	Fort Augustus	67	47	64.2	49.9	56.6	- 0.1	102	0	5	0.73	+0.01	13.2	?	11	?
	Fort William	65	49	61.1	51.2	55.8	- 1.0	97	0	6	1.21	-0.01	19.0	?	16	?
1. SCOTLAND, E.	Nairn	65	47	63.1	50.9	56.6	- 0.9	102	0	4	1.29	+0.60	*	*	*	*
	Aberdeen	64	45	61.9	50.4	55.8	- 1.3	97	0	5	1.63	+0.98	32.8	- 5.4	23	- 5
	Braemar	64	40	60.5	46.5	53.0	- 1.7	77	0	5	0.64	-0.04	30.8†	?	26†	?
	Ochertyre	72	43	67.0	46.1	55.8	- 1.4	97	0	6	1.10	+0.32	*	*	*	*
	Leith	72	45	68.4	50.7	58.9	+ 0.3	118	0	6	1.17	+0.53	*	*	*	*
	Marchmont	63	44	64.3	48.9	56.1	- 0.8	99	0	4	0.68	-0.12	30.0	?	28	?
	Alnwick Castle	65	49	63.3	52.1	57.3	- 0.1	107	0	5	0.48	-0.20	*	*	*	*
2. ENGLAND, N.E.	Durham	69	45	66.3	50.2	57.7	- 1.5	110	0	7	0.99	+0.31	21.8	-15.2	19	-13
	Shields	67	48	62.4	51.9	56.8	- 1.3	104	0	7	1.16	+0.54	*	*	*	*
	Scarborough	70	48	66.1	51.3	58.2	- 1.7	113	0	6	1.69	+1.07	31.2	- 5.1	27	- 5
	Spurn Head	66	52	63.3	53.7	58.2	- 1.8	113	0	5	0.64	+0.24	*	*	*	*
	Hillington	69	48	65.2	50.7	57.5	- 3.1	109	0	6	0.86	+0.17	18.1	-25.7	11	-23
3. ENGLAND, E.	Yarmouth	67	50	64.1	51.7	57.5	- 3.1	109	0	5	0.77	+0.10	*	*	*	*
	Geldeston	69	48	66.4	50.7	58.0	- 2.8	112	0	5	0.83	+0.23	30.2	-16.5	27	-16
	Cambridge	70	49	66.3	51.1	58.2	- 3.4	113	0	5	0.26	-0.28	18.7	-25.4	17	-23
	Rothamsted	69	48	64.5	51.4	57.5	- 2.8	109	0	5	0.33	-0.30	21.1	?	19	?
	Bawtry (Hesley Hall)	71	45	67.3	49.9	58.0	- 2.4	112	0	7	0.75	+0.13	*	*	*	*
4. MIDLAND COUNTIES	Loughborough	71	50	67.6	51.7	59.1	- 2.4	120	0	6	0.80	+0.27	*	*	*	*
	Stamford (Ketton Hall)	71	45	66.9	49.1	57.4	- 4.0	108	0	4	0.44	-0.16	*	*	*	*
	Cheddle	68	48	62.9	50.4	56.2	- 1.7	99	0	6	0.83	+0.13	*	*	*	*
	Churchstoke	68	49	63.4	51.4	57.0	- 1.0	105	0	6	0.41	-0.19	21.3	-18.4	19	-16
	Hereford	75	51	67.1	52.7	59.4	- 1.0	122	0	3	0.14	-0.41	*	*	*	*
	Cirencester	71	49	65.7	52.9	58.9	- 0.5	118	0	7	0.24	-0.46	21.7	-19.7	20	+17
	Oxford	71	52	65.9	53.6	59.3	- 1.6	121	0	4	0.13	-0.47	22.5	-20.3	20	-18
5. ENGLAND, S.	London	71	51	66.7	53.1	59.4	- 3.2	122	0	5	0.29	-0.24	21.2†	-18.6†	19†	-17†
	North Foreland	67	52	65.6	54.1	59.5	- 1.5	123	0	6	0.63	?	*	*	*	*
	Strathfield Turgiss	70	49	66.7	52.7	59.2	- 2.1	120	0	7	0.33	-0.21	*	*	*	*
	Dungeness	66	52	64.6	55.0	59.5	- 2.1	123	0	7	1.13	+0.68	*	*	*	*
	Hastings (St. Leonards)	66	51	64.5	53.7	58.7	- 2.9	117	0	7	1.51	+1.01	14.2	-36.0	13	-32
	Southampton	70	51	66.0	53.7	59.4	- 2.5	122	0	6	0.76	+0.14	23.1	-23.7	21	-21
	Hurst Castle	70	55	66.9	57.1	61.7	+ 0.1	138	0	5	0.65	+0.15	*	*	*	*
	Stowell	67	50	62.4	52.3	57.0	- 3.2	105	0	6	0.50	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	65	43	61.3	52.1	56.4	- 0.6	101	0	6	0.86	-0.39	*	*	*	*
	Glasgow	66	46	63.3	49.5	55.9	- 1.4	97	0	5	0.77	-0.05	38.2	+ 8.7	33	+ 7
	Ardrossan	63	45	62.1	51.1	56.2	- 1.8	99	0	5	0.82	+0.14	*	*	*	*
	Glenlee	66	43	63.5	48.1	55.3	- 1.5	93	0	5	0.86	-0.13	*	*	*	*
	Douglas (Isle of Man)	64	43	62.3	49.1	55.2	- 2.2	92	0	5	0.70	-0.01	29.9	-13.8	26	-13
7. ENGLAND, N.W.	Stonyhurst	65	51	61.2	52.8	56.7	- 1.9	103	0	6	1.85	+0.81	29.5	- 7.5	26	- 7
	Blackpool	68	53	63.6	54.4	58.7	- 0.9	117	0	7	0.86	+0.11	23.7	-16.3	21	-14
	Manchester (Prestwich)	68	44	62.9	50.2	56.1	- 2.3	99	0	7	1.68	+0.80	21.0†	?	18†	?
	Liverpool Obsy. (Bidston)	67	49	63.1	52.4	57.4	- 2.5	108	0	5	0.64	-0.04	*	*	*	*
	Llandudno	65	52	63.2	54.2	58.4	- 1.7	115	0	7	0.48	-0.12	25.4	-11.6	23	-10
	Holyhead	65	52	62.3	53.0	57.3	- 1.8	107	0	6	0.41	-0.14	*	*	*	*
	Llandovery	73	50	66.4	52.4	58.9	- 0.5	118	0	7	0.48	-0.44	*	*	*	*
8. ENGLAND, S.W.	Pembroke	62	54	60.0	54.6	57.1	- 1.4	106	0	4	0.41	-0.17	34.3	-10.7	31	-10
	Bristol (Montpelier)	72	54	66.1	55.2	60.3	+ 1.9	128	0	6	0.53	-0.19	*	*	*	*
	Arlington (N. Devon)	66	50	61.0	51.3	55.8	- 4.7	97	0	7	1.27	+0.17	*	*	*	*
	Cullompton	70	51	64.5	53.1	58.4	- 1.4	115	0	6	0.47	-0.21	18.4	-21.3	17	-19
	Falmouth	65	53	63.0	54.1	58.2	- 1.8	113	0	7	0.64	-0.14	30.2	-16.8	28	-15
	Plymouth	67	48	62.8	52.7	57.4	- 3.9	108	0	7	0.69	+0.04	16.8	-26.2	15	-25
	Prawle Point	63	53	60.7	54.1	57.2	- 2.0	106	0	6	0.86	+0.33	*	*	*	*
9. IRELAND, N.	Malin Head	62	52	59.4	53.0	56.0	- 1.5	98	0	7	0.91	?	*	*	*	*
	Londonderry	65	51	61.6	52.1	56.5	- 1.8	102	0	7	1.34	+0.53	*	*	*	*
	Edenfel (Omagh)	63	50	60.1	51.0	55.2	- 2.4	92	0	7	0.83	+0.10	*	*	*	*
	Belmullet	60	52	59.0	52.6	55.6	- 2.1	95	0	7	0.66	?	*	*	*	*
	Markree Castle	64	50	62.0	51.5	56.4	- 0.3	101	0	7	1.29	+0.57	20.9	- 7.8	18	- 8
	Brookeborough	64	51	61.1	51.6	56.0	- 1.2	98	0	7	1.18	+0.35	*	*	*	*
	Armagh	65	49	62.9	51.1	56.6	- 1.3	102	0	7	1.29	+0.57	16.3	-14.3	14	-12
	Donaghadee	69	52	63.3	54.4	58.5	+ 1.3	116	0	7	2.08	+1.40	*	*	*	*
10. IRELAND, S.	Edgeworthstown	70	50	63.9	51.0	57.0	- 0.7	105	0	7	0.85	0.00	*	*	*	*
	Dublin	69	52	65.7	53.6	59.2	- 0.8	120	0	5	0.34	-0.21	28.1	- 7.7	25	- 7
	Parsonstown	66	44	61.6	49.3	55.0	- 3.7	91	0	4	0.67	-0.12	25.8	- 7.1	23	- 6
	Kilkenny	66	51	64.7	52.9	58.4	- 0.2	115	0	4	0.60	+0.02	*	*	*	*
	Waterford	65	52	63.4	53.1	57.9	- 2.0	111	0	1	0.10	-0.65	*	*	*	*
	Roche's Point	63	51	60.9	53.9	57.2	- 1.5	106	0	7	0.63	-0.26	16.4	-18.8	15	-17
	Valencia	63	51	61.6	52.6	56.8	- 1.6	104	0	6	0.39	?	*	*	*	*
	Killarney	65	52	61.1	54.6	57.9	- 0.6	111	0	6	0.57	?	*	*	*	*
CHANNEL ISLANDS.	Foyes	64	55	62.4	55.9	58.9	- 1.3	118	0	5	0.88	+0.30	30.2	?	28	?
	Silly (St. Mary's)	69	55	64.7	56.4	60.3	- 2.0	128	0	4	0.59	+0.05	21.7	-30.5	20	-28

Stations marked † are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

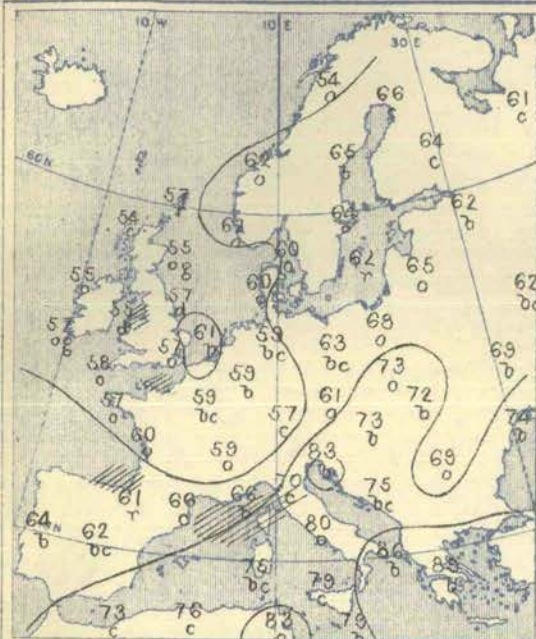
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnhill Row) at the Kew Observatory, and the Meteorological Office Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 15th July.

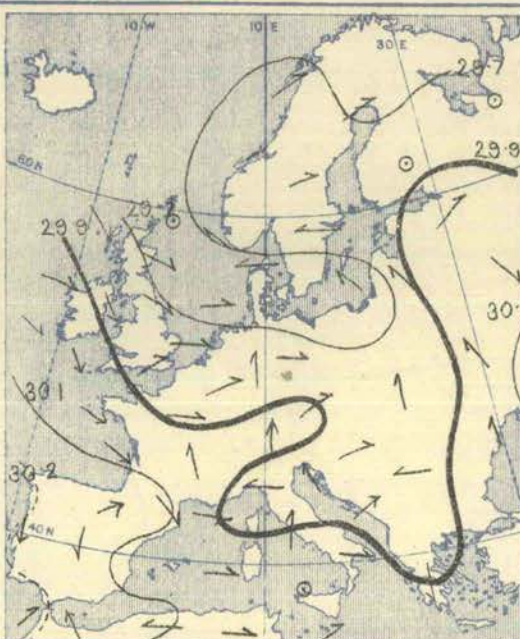
Temperature and Weather.

8 a.m.

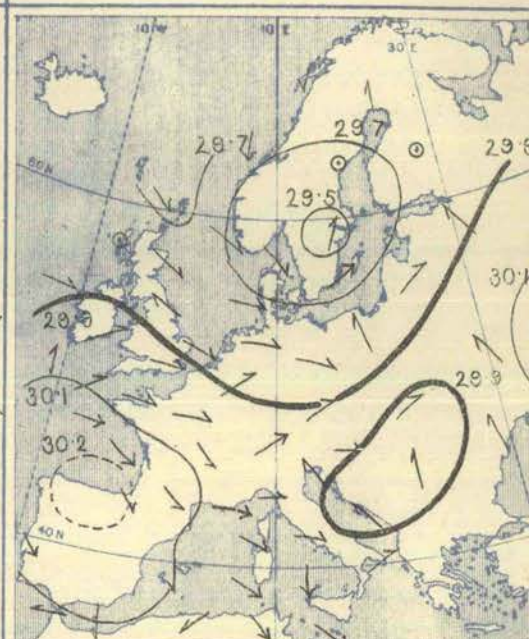


Barometer and Wind.

8 a.m.



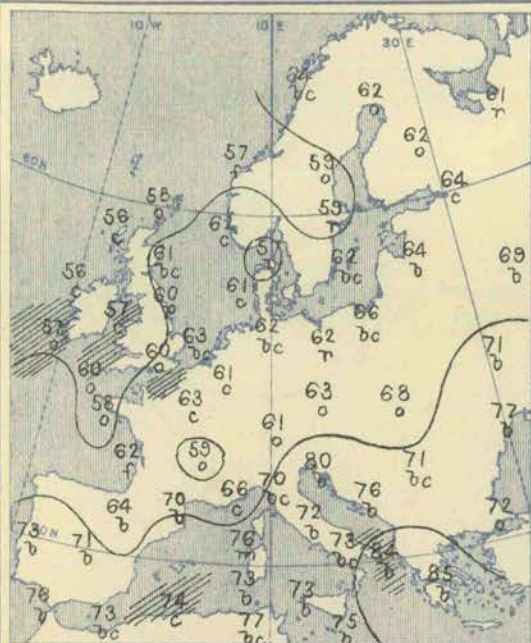
6 p.m.



Tuesday, 17th July.

Temperature and Weather.

8 a.m.

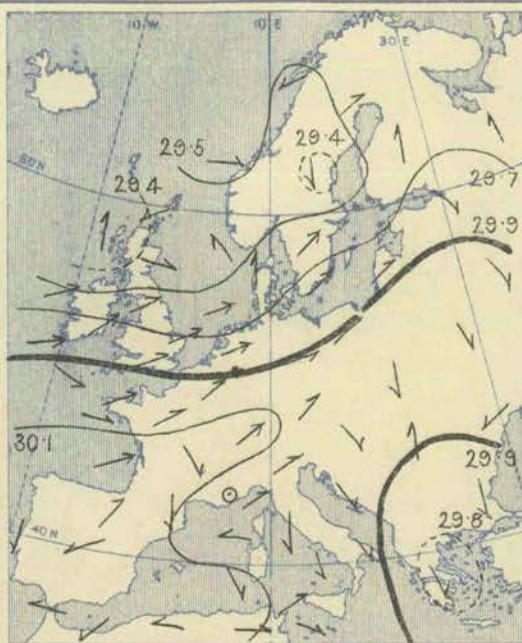


Weather in morning fair over the greater part of our Islands, but dull in places, and showery at several of our northern stations. Dull in Sweden, Denmark, Germany, and northern Russia, with rain in many places; fine in most of the other Continental countries. Showers falling during day in nearly all parts of the United Kingdom, and heavy rain in the north of Scotland, as well as at some of the Dutch, Swedish, and Russian stations.

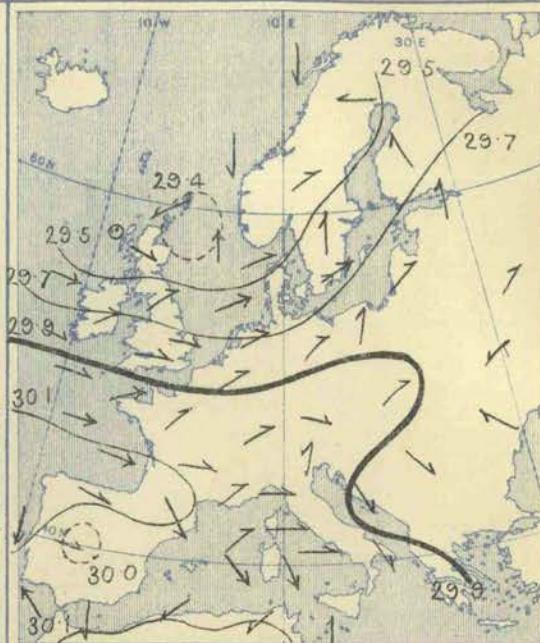
Temperature fallen a little in Ireland and the south-west of England and also in Sweden, risen in most other localities. Morning readings highest, 85° at Athens, 84° at Brindisi, 83° at Patras, and 80° at Trieste; above 70° over southern and south-eastern Europe generally. Lowest, 54° at Parsonstown, 55° at Wick and Malin Head, and 56° at Stornoway, Ardrossan, and Belmullet. Daily maxima below 60° on our extreme north-western coasts, and below 65° at all but our eastern, central, and south-eastern stations. Thermometer exceeding 70° in Germany, and exceeding 80° in most parts of southern Europe, the highest readings of all being 94° at Madrid and 93° at Sanguinaire.

Barometer and Wind.

8 a.m.



6 p.m.



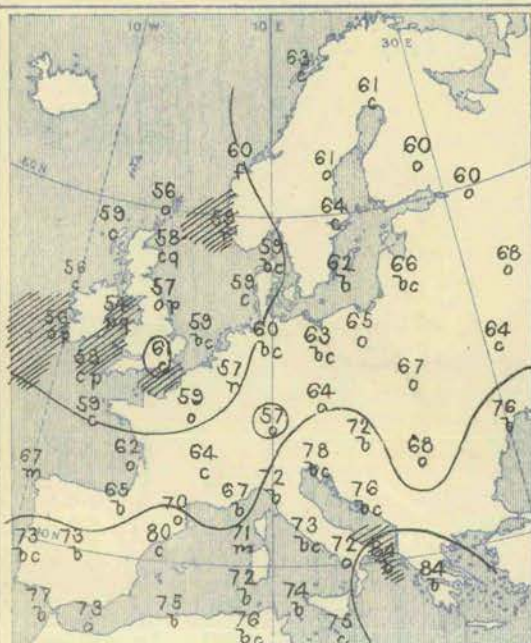
Wind Westerly or South-Westerly over the greater part of our Islands, France, the Netherlands, Germany, Denmark, and the Baltic; strong in force at some of our own western stations and also over the Baltic. Moderate to strong from the Southward in Finland, variable on the Norwegian coasts. Light from the North-Eastward in the south of Russia, and from the Northward or North-Westward in Austria and Italy; North-Easterly or Easterly in Spain and Algeria. No important change occurring over western Europe during day, but gale from South-Westward springing up at Wisby.

Barometer highest, 30.1 ins. and upwards in an anticyclone lying over the southern parts of France and Germany, the Spanish Peninsula, Algeria, and the western parts of the Mediterranean. Lowest, 29.4 ins. and less in a depression over the north of Scotland, and also in a small disturbance near Heröland; 29.8 ins. and less in a shallow system over the Grecian Archipelago. Depression over Scotland subsequently moving slowly eastwards; changes in pressure over western Europe slight and irregular. Swedish disturbance moving northwards and filling up.

Wednesday, 18th July.

Temperature and Weather.

8 a.m.

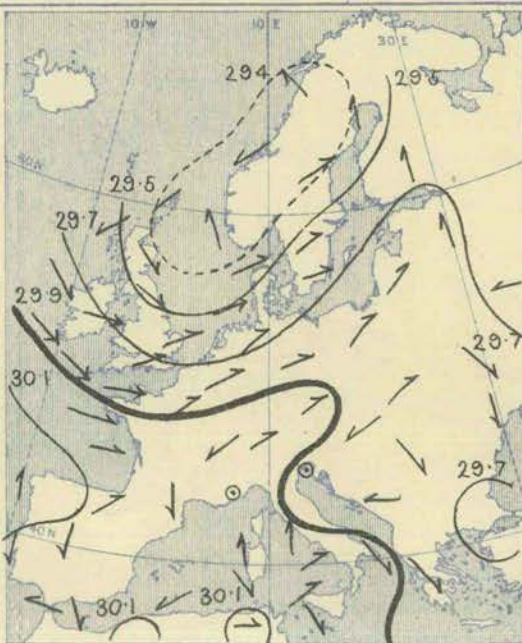


Weather cloudy and showery over the greater part of western and central Europe. Fine in Denmark and the south of Sweden, as well as over the southern and south-eastern countries generally. Showers falling during day in nearly all parts of the United Kingdom, and considerable amounts of rain at the Russian, Danish, and German stations, as much as 1.6 ins. at Kuopio and 1.5 ins. at Moscow.

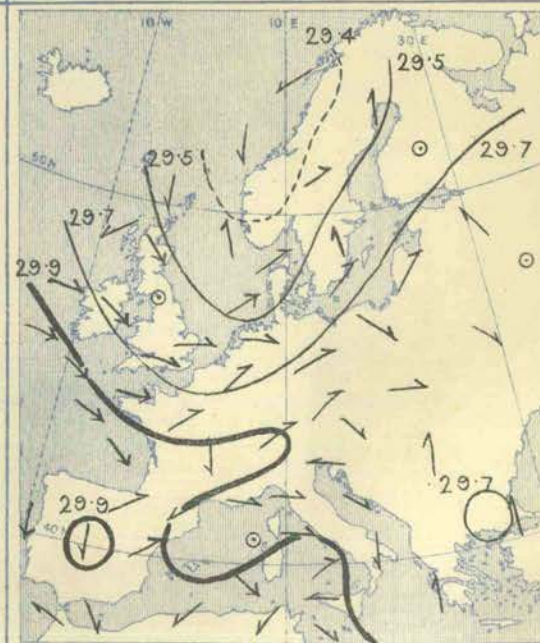
Temperature fallen in most countries, but risen in Sweden, as well as in Spain, northern Italy, Austria, and Poland. Morning readings highest, 84° at Brindisi, Patras, and Athens, 80° at Barcelona, and 78° at Trieste; above 70° over southern and south-eastern Europe generally, and above 65° over Poland and the Baltic Provinces. Lowest, 54° at Holyhead and Liverpool, and 55° at Spurn Head, Malin Head, Parsonstown, and Pembroke. Daily maxima below 60° at several of our own western and extreme northern stations, and below 65° in many other parts of the United Kingdom. Thermometer exceeding 80° in most of the southern countries, and reaching 90° at Perpignan, 91° at Sanguinaire, and 95° at San Fernando.

Barometer and Wind.

8 a.m.



6 p.m.



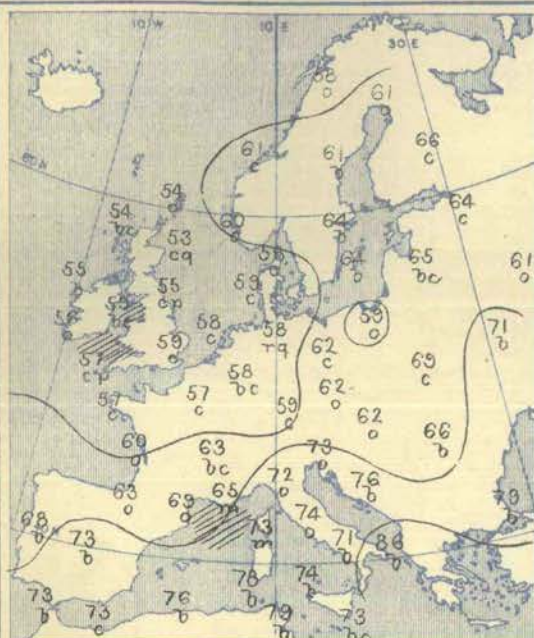
Wind light to moderate from the Northward in the north of Scotland, and from the North-Westward in Ireland; moderate to strong from the Westward over England and the west and north of France, and from the South-Westward over the Netherlands, Denmark, Germany, Sweden, and the Baltic; light from the Eastward or South-Eastward in the west of Norway. Light from between South and East in Russia; variable in Austria and Italy; Northerly in Spain and the south of France. No important change occurring during day.

Barometer highest, 30.1 ins. and upwards in an anticyclone stretching from the Atlantic over the north-western parts of the Spanish Peninsula. Lowest, 29.4 ins. and less in a large depression over Scandinavia and the northern parts of the North Sea; 29.8 ins. and less in a shallow area over Turkey and Greece. Small secondary disturbances moving eastwards across our Islands during day, but barometer rising a little in most places. Scandinavian depression filling up slowly.

Temperature and Weather.

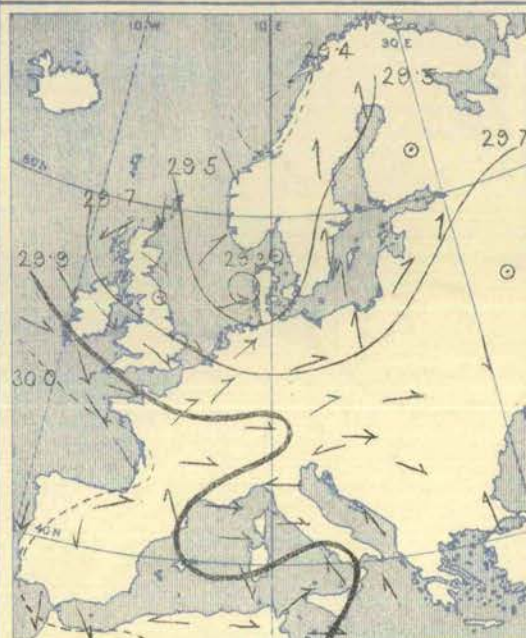
Barometer and Wind.

8 a.m.



mark, Germany, and the north of France, as well as at some of the Swedish stations. Temperature changed rather irregularly, but fallen a little in most places. Morning readings highest, 86° at Brindisi, 83° at Athens, and 81° at Patras and Sfax, above 75° at many of the Mediterranean and Adriatic stations, above 70° in the south of Russia, and above 65° over central Finland. Lowest, 51° at Wick, 53° at Aberdeen, and 54° at Sumburgh Head, Stornoway, Nairn, and Malin Head. Daily maxima below 60° on our extreme north and north-west coasts, but thermometer exceeding 65° at many of our central and south-eastern stations, and reaching 72° at Leith. Exceeding 75° in the south of France, and exceeding 85° in many parts of Spain, Italy, and Austria, the highest reading of all being 95° at Madrid and Hermanstadt.

8 a.m.



Barometer highest, 30.0 ins. and upwards over the Bay of Biscay, the south-west of France, and the western and northern parts of the Spanish Peninsula. Lowest, 29.3 ins. and less in a well-marked depression over Denmark; 29.4 ins. and less in a shallow system off the north-west of Norway. Small secondary disturbances moving south-eastwards across the United Kingdom. New depression beginning to approach our Islands from the westward in evening: disturbance over Denmark filling up gradually.

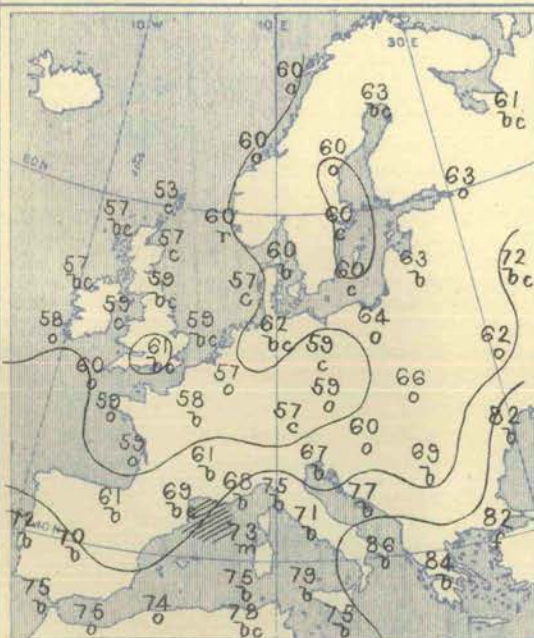
6 p.m.



Temperature and Weather.

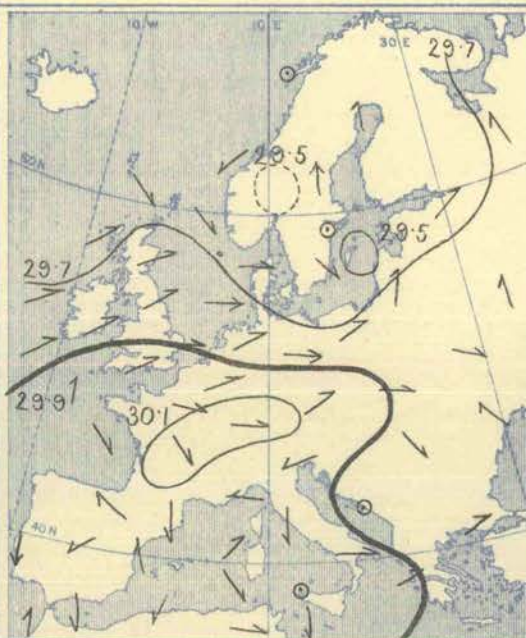
Barometer and Wind.

8 a.m.



Thunderstorms occurring in the north-east of Great Britain; aurora seen at Shields. Temperature fallen a little over central and southern Europe, but risen in most other localities. Morning readings highest, 86° at Brindisi, 84° at Athens, 82° at Odessa and Constantinople, and 81° at Patras, above 70° over southern and eastern Europe generally. Lowest, 55° at Sumburgh Head, 55° at Donaghadee and Prawle Point, and 56° at Wick and Malin Head. Rising during day to 65° and upwards in most parts of Great Britain, as well as over central Ireland, and reaching 71° at Loughborough. Exceeding 80° over southern Europe generally, the highest readings of all being 95° at Madrid, 93° at Palermo, and 90° at San Fernando.

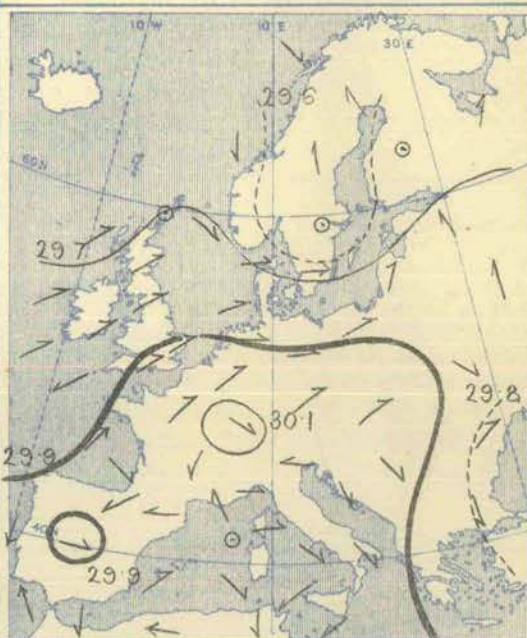
8 a.m.



or North-Easterly to Spain. Subsequently shifting to the Eastward on some parts of our south-west coasts; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards over south Germany and central France. Lowest, 29.5 ins. and less in two shallow depressions, one lying over the northern part of the Baltic and the other over central Scandinavia, 29.7 ins. in a third disturbance lying off the west of Scotland. Scotch depression subsequently moving north-eastward, but shallow disturbance appearing near the mouth of the English Channel; barometer falling rather decidedly at our extreme south-western stations.

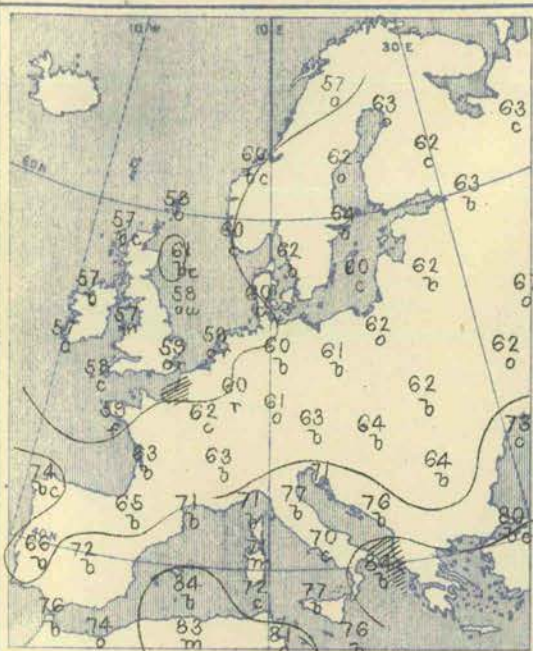
6 p.m.



Saturday, 21st July.

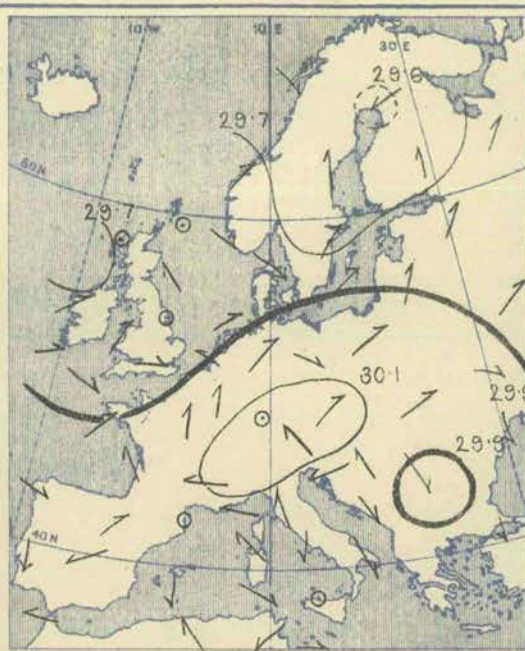
Temperature and Weather.

8 a.m.

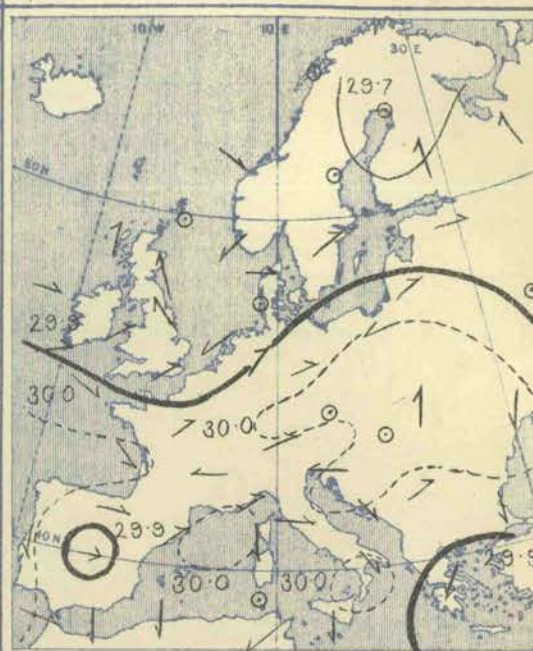


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Scotland, but cloudy over England and Ireland, with rain in many places. Fine and bright over the greater part of central and southern Europe; cloudy in most of the northern countries. Some improvement taking place later over the southern parts of the United Kingdom, but thunderstorms and heavy rain occurring in the north. Large quantities of rain falling also in some parts of Sweden, Denmark, and the Netherlands. Temperature changed rather irregularly, but risen in most places. Morning readings highest, 84° at Palma and Brindisi, 83° at Algiers, and 81° at Barcelona, Tunis, and Sfax; above 70° over southern and south-eastern Europe generally. Lowest, 54° at Malin Head, 55° at Donaghadee and Oxford, 56° at Parsonstown, and 57° in several other parts of our Islands, as well as at Bodo. Daily maxima below 65° at most of our coast stations, but thermometer rising to 70° or a little more over the central parts of England. Exceeding 80° in several parts of France and southern Europe, the highest readings of all being 98° at Madrid and 91° at Toulouse, Croisette, and Sanguinaire.

Wind light and variable over our Islands. Light to moderate from the Southward or South-Westward over France and the Netherlands, and from the South-Westward or Westward over Denmark, north Germany, the Baltic, and the south of Scandinavia. Variable over the greater part of southern and eastern Europe, but Northerly or North-Easterly over the Spanish Peninsula. Light Westerly or South-Westerly breezes setting in later over Ireland and England, and South-Easterly or Southerly breezes in Scotland; wind shifting to the Westward in the west of France; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards over south Germany; 30.0 ins. and upwards over the greater part of central and southern Europe. Lowest, 29.6 ins. in a depression over the north of Sweden; 29.7 ins. and less in another disturbance off the west of Norway; 29.8 ins. and less in two small and very shallow secondary systems lying respectively over the east of England and over the Bristol Channel. Scotch depression subsequently spreading eastwards over the north of our Islands; secondary system in south moving north-eastwards and filling up.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the time a large anticyclone was situated over France, Spain, and the western parts of the Mediterranean, while shallow depressions advanced over our Islands from the westward and passed on to Scandinavia and the Baltic. Over the more northern parts of Europe the wind was, therefore, Westerly (South-Westerly to North-Westerly), and the weather cool and changeable, with frequent rains and occasional thunderstorms; while in the southern countries the wind was light and variable and the weather fine and hot. Towards the close of the week the anticyclone spread eastwards over the central countries, where a gradual improvement in the weather set in. Over north-western Europe the weather remained practically unchanged.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 170.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	20.8	?	18	?	EASTBOURNE	17.7	?	16	?
OSWALDKIRK (Yorkshire)	23.7	?	21	?	MANCHESTER (Oldham Road)	15.9*	?	14*	?
WORKSOP	20.2	-16.1	18	-14	TENBY	26.3*	?	24*	?
THURCASTON (Leicestershire)	19.9	-17.1	18	-15	TORQUAY	31.3	?	29	?
MARGATE	21.1	?	19	?	NEWQUAY	15.5*	?	14*	?
WESTBOURNE (Sussex)	18.3*	?	17*	?	ARLEY COTTAGE (County Cavan)	27.9	?	24	?
BRIGHTON	10.2	?	17	?	GUERNSEY	26.0*	?	22*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

175

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 30.]
Third Series.

WEEK ENDING SATURDAY, JULY 28TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. **RAINFALL.**—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. **BRIGHT SUNSHINE.**—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 176.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	79	42	67.0	52.1	59.0	4 above	Day-deg. 119	Day-deg. +37	Day-deg. 0	Day-deg. 0	Day-deg. 1225	Day-deg. +275	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	72	42	65.1	51.7	57.9	1 above	111	+ 7	0	0	1282	+ 28	581	+ 8
	2. ENGLAND, N.E.	77	51	65.4	54.5	59.6	1 above	123	+ 8	0	0	1401	+ 96	455	- 51
	3. ENGLAND, EAST.	77	49	69.0	53.9	60.9	0 (average)	132	+ 5	0	0	1669	+111	471	-100
	4. MIDLAND COUNTIES.	79	47	69.1	52.8	60.4	0 (average)	129	+ 7	0	0	1695	+134	483	- 79
5. ENGLAND, SOUTH	78	47	68.3	56.0	61.7	0 (average)	138	+ 6	0	0	1813	+133	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	75	41	67.6	52.4	59.5	2 above	123	+19	0	0	1390	+ 80	345	- 69
	7. ENGLAND, N.W.	76	50	67.6	54.3	63.5	1 above	130	+16	0	0	1587	+192	301	-121
	8. ENGLAND, S.W.	75	43	65.2	54.0	59.2	1 below	120	+ 1	0	0	1703	+140	236	- 81
	9. IRELAND, NORTH	78	41	66.6	52.1	58.8	1 above	118	+13	0	0	1479	+ 65	334	- 33
	10. IRELAND, SOUTH	71	44	65.5	52.0	58.2	1 below	113	- 1	0	0	1738	+125	217	- 67
	—CHANNEL ISLANDS	71	53	65.6	57.5	61.3	0 (average)	135	+ 5	0	0	1975	+236	94	- 18

DISTRICTS. (See p. 176.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	10ths of in. 2	10ths of ins. 7 less	133	- 4	Ins. 32.0	+ 6.5	58	+48	50	+ 42	799	+145	35	+ 5
	1. SCOTLAND, EAST	3	3	5 less	122	+11	21.5	+ 5.0	35	- 3	31	- 4	883	+ 53	35	+ 2
	2. ENGLAND, N.E.	3	4	2 less	120	+17	14.8	+ 1.2	42	+ 4	38	+ 4	913	+130	34	+ 5
	3. ENGLAND, EAST.	4	9	2 more	112	+11	14.6	+ 1.0	31	-12	28	- 12	908	+ 23	37	+ 1
	4. MIDLAND COUNTIES.	3	13	7 more	114	+14	14.0	- 1.2	26	-14	24	- 12	929	+ 78	34	+ 3
5. ENGLAND, SOUTH	4	9	4 more	111	+14	15.9	+ 1.5	43	- 8	39	- 7	1080	+ 68	28	+ 3	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	4	6 less	132	+14	30.0	+ 3.7	48	+13	43	+ 12	912	+ 33	33	+ 1
	7. ENGLAND, N.W.	3	10	2 more	127	+19	19.8	+ 2.5	30	- 5	27	- 5	873	+ 77	34	+ 2
	8. ENGLAND, S.W.	5	22	14 more	128	+17	22.2	+ 1.5	25	-19	23	- 18	1075	+ 31	38	+ 1
	9. IRELAND, NORTH	3	6	2 less	142	+15	24.2	+ 5.3	55	+29	49	+ 26	840	+ 31	31	+ 1
	10. IRELAND, SOUTH	5	11	3 more	155	+18	24.6	+ 3.8	39	+ 5	36	+ 4	913	- 30	33	- 1
	—CHANNEL ISLANDS	6	21	16 more	129	+11	19.9	+ 3.1	26	-28	24	- 27	1157	- 21	43	- 1

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was generally fair and warm over Scotland and the extreme northern parts of England and Ireland, but continued rainy and unsettled elsewhere until the closing part of the week, when it gradually improved. Thunder and lightning were experienced from time to time in nearly all districts.

Temperature was above the mean in Scotland, the north-east and north-west of England, and in the north of Ireland, but either just equalled or was a trifle below the normal elsewhere. The highest of the maxima were recorded on the 28th, when they ranged from 79° in Scotland N. and the Midland Counties, to 71° in Ireland S. and the Channel Islands. The lowest of the minima were recorded on rather irregular dates, and ranged from 41° Scotland W. and Ireland N., to 51° in England N.E., and to 53° in the Channel Islands.

Rainfall was considerably less than the mean in Scotland, and rather less in England N.E. and Ireland N.; in all other districts there was an excess, that in the extreme south and south-

west being very large. The fall experienced at some of the south-western stations on the 24th was exceedingly heavy; at Stoke Bishop, near Bristol, 3.22 ins. fell between noon and midnight.

Bright Sunshine was more prevalent than during the preceding week, and exceeded the mean in Scotland N. and W. and over Ireland. In most other districts, however, there was again a considerable deficit. The percentage of the possible duration ranged from 50 in Scotland N. and 49 in Ireland N. to 24 in the Midland Counties and the Channel Islands and to 23 in England S.W.

Barometer and Wind.—The distribution of pressure during this week was rather complex, but the barometer was generally highest in the north and lowest in the south and south-west. In the latter regions small shallow depressions appeared from the southward or south-westward. Moderate or light Northerly or North-Easterly winds were consequently most prevalent over the United Kingdom, but by the end of the week South-Easterly winds were becoming general.

II.—DATA from which the SUMMARY on page 175 has been calculated

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND N.	Sumburgh Head	64	49	62.4	52.1	56.9	+ 4.0	104	0	2	0.42	-0.13	*	*	*	*
	Stornoway	74	47	66.0	54.7	60.0	+ 5.3	126	0	2	0.05	-0.63	78.9	+48.4	68	+42
	Wick	67	42	64.9	51.6	57.8	+ 2.4	111	0	1	0.02	-0.53	*	*	*	*
	Laing	78	43	69.1	50.5	59.2	+ 3.9	120	0	1	0.11	-0.59	*	*	*	*
	Glencarron	79	42	69.8	50.2	59.3	+ 4.6	121	0	3	0.28	-1.16	*	*	*	*
	Fort Augustus	76	45	66.7	52.1	58.9	+ 2.1	118	0	1	0.11	-0.61	38.3	?	34	?
	Fort William	79	46	70.1	53.3	61.1	+ 4.2	134	0	1	0.03	-1.25	56.8	?	49	?
1. SCOTLAND, E.	Nairn	72	45	67.4	50.7	58.5	+ 1.1	116	0	2	0.15	-0.48	*	*	*	*
	Aberdeen	64	49	62.4	53.1	57.4	+ 0.2	108	0	4	0.52	-0.18	33.8	- 3.2	29	- 4
	Braemar	70	42	64.7	49.6	56.6	+ 1.9	102	0	4	0.17	-0.54	39.7†	††	34†	††
	Ochertyre	72	42	68.7	51.9	59.7	+ 2.4	124	0	3	0.38	-0.42	*	*	*	*
	Leith	68	49	63.3	53.0	57.8	- 1.0	111	0	3	0.21	-0.43	*	*	*	*
	Marchmont	69	49	63.9	52.0	57.5	+ 0.5	109	0	1	0.15	-0.65	37.0	?	32	?
2. ENGLAND, N.E.	Alnwick Castle	65	54	62.4	55.6	58.8	+ 1.2	118	0	4	0.66	-0.04	*	*	*	*
	Durham	77	51	69.4	54.0	61.2	+ 1.8	134	0	3	0.10	-0.67	37.4	+ 0.3	33	0
	Shields	63	51	61.6	53.1	57.1	- 1.1	106	0	2	0.22	-0.48	*	*	*	*
	Scarborough	76	52	71.4	54.6	62.4	+ 2.6	143	0	4	0.62	-0.02	45.2	+ 9.4	41	+ 8
	Spurn Head	66	52	62.4	55.0	58.4	- 1.8	115	0	4	0.38	-0.04	*	*	*	*
3. ENGLAND, E.	Hillington	75	49	69.3	53.0	60.8	- 0.1	132	0	5	0.91	+0.21	34.6	- 9.1	31	- 8
	Yarmouth	65	54	64.6	56.1	60.1	- 1.0	127	0	4	0.87	+0.17	*	*	*	*
	Geldeston	73	49	69.5	53.8	61.1	0.0	134	0	4	0.58	0.00	31.5	-15.1	28	-15
	Cambridge	77	49	72.1	53.7	62.3	+ 0.4	142	0	4	1.51	+0.99	31.8	-12.0	29	-11
	Rothamsted	74	51	68.8	53.0	60.4	0.0	129	0	4	0.46	-0.16	26.8	?	25	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	78	50	71.4	53.6	61.9	+ 1.5	139	0	3	1.72	+1.10	*	*	*	*
	Loughborough	79	49	71.4	52.9	61.5	+ 0.1	137	0	4	0.93	+0.38	*	*	*	*
	Stamford (Ketton Hall)	77	47	70.6	52.7	61.0	- 0.4	133	0	4	1.53	+0.95	*	*	*	*
	Cheadle	74	49	66.6	52.5	59.1	+ 1.0	120	0	2	1.04	+0.32	*	*	*	*
	Churchstoke	73	49	66.3	51.7	58.5	+ 0.4	116	0	3	1.12	+0.47	27.1	-12.6	25	-11
	Hereford	76	48	69.7	52.8	60.7	+ 0.3	131	0	4	1.75	+1.18	*	*	*	*
	Cirencester	72	47	67.7	52.4	59.5	+ 0.1	123	0	3	1.51	+0.77	21.2	-20.0	19	-19
5. ENGLAND, S.	Oxford	73	51	68.7	53.9	60.8	- 0.4	132	0	3	0.98	+0.38	24.0	-19.0	22	-17
	London	78	52	72.7	55.6	63.6	+ 1.1	151	0	3	0.13	-0.39	33.0†	- 6.8†	30†	- 7†
	North Foreland	72	55	67.1	57.4	61.9	+ 0.2	139	0	3	0.86	?	*	*	*	*
	Strathfield Turgiss	76	47	69.6	54.0	61.3	+ 0.1	135	0	5	0.42	-0.11	*	*	*	*
	Dungeness	68	52	67.1	57.3	61.9	0.0	139	0	3	0.65	+0.18	*	*	*	*
	Hastings (St. Leonards)	76	54	69.1	57.9	63.1	+ 1.2	148	0	4	0.32	-0.21	50.1	+ 0.1	46	0
	Southampton	74	51	68.3	55.8	61.6	- 0.6	137	0	5	0.89	+0.23	30.5	-16.5	28	-15
6. SCOTLAND, W.	Hurst Castle	74	54	66.9	57.4	61.8	- 0.1	139	0	4	0.77	+0.27	*	*	*	*
	Stowell	72	48	65.4	52.4	58.5	- 1.7	116	0	7	3.08	?	*	*	*	*
	Laudale (Loch Sunart)	75	45	68.8	52.4	60.0	+ 2.9	126	0	3	0.22	-1.05	*	*	*	*
	Glasgow	70	45	66.1	53.0	59.1	+ 1.7	120	0	1	0.01	-0.34	44.0	+15.6	39	+14
	Ardrossan	72	47	67.3	53.7	60.0	+ 1.8	126	0	3	0.29	-0.41	*	*	*	*
7. ENGLAND, N.W.	Glenlee	73	41	68.9	51.9	59.8	+ 2.9	125	0	3	0.30	-0.75	*	*	*	*
	Douglas (Isle of Ma.)	70	42	66.8	51.2	58.5	+ 1.1	116	0	3	0.93	+0.17	52.7	+10.7	47	+10
	Stonyhurst	73	51	68.0	53.7	60.4	+ 1.6	129	0	4	0.96	-0.12	29.6	- 6.0	27	- 5
	Blackpool	76	51	69.2	53.5	60.8	+ 0.9	132	0	2	0.61	-0.17	29.8	- 9.6	27	- 8
	Manchester (Prestwich)	73	50	67.9	53.4	60.2	+ 1.6	127	0	3	0.74	-0.20	22.9	?	21	?
	Liverpool Obsy. (Bidston)	75	53	69.1	55.1	61.6	+ 1.6	137	0	5	0.89	+0.19	*	*	*	*
	Llandudno	76	53	67.2	55.7	61.1	+ 0.7	134	0	3	0.72	+0.07	37.6	+ 1.1	34	0
8. ENGLAND, S.W.	Holyhead	68	52	63.9	54.4	58.8	- 0.6	118	0	3	1.84	+1.25	*	*	*	*
	Llandovery	75	48	71.1	52.9	61.4	+ 2.0	138	0	4	2.12	+1.13	*	*	*	*
	Pembroke	65	53	62.3	56.0	58.9	- 0.1	118	0	4	1.20	+0.60	34.4	-10.3	32	- 9
	Bristol (Montpelier)	75	51	68.6	54.7	61.2	+ 0.7	134	0	4	2.97	+2.20	*	*	*	*
	Arlington (N. Devon)	70	48	63.0	51.9	57.1	- 1.6	103	0	6	1.98	+0.84	*	*	*	*
	Cullompton	73	48	65.7	53.1	59.0	- 0.7	119	0	5	3.05	+2.38	17.0	-21.8	16	-21
	Falmouth	67	52	64.1	54.9	59.2	- 1.0	120	0	5	2.57	+1.74	22.3	-23.5	21	-24
9. IRELAND, N.	Plymouth	68	49	64.2	53.9	58.7	- 2.8	117	0	7	1.94	+1.24	23.6	-19.1	22	-19
	Prawle Point	67	51	62.6	54.4	58.2	- 1.3	113	0	6	1.41	+0.86	*	*	*	*
	Malin Head	65	51	61.7	54.4	57.8	+ 0.1	111	0	2	0.06	?	*	*	*	*
	Londonderry	78	46	71.0	51.3	60.5	+ 2.2	130	0	3	0.34	-0.51	*	*	*	*
	Edenfel (Omagh)	75	46	68.7	52.1	59.8	+ 2.3	125	0	2	0.28	-0.52	*	*	*	*
	Behnullet	69	50	64.1	54.7	59.1	+ 0.8	120	0	6	0.61	?	*	*	*	*
	Markree Castle	71	42	68.3	49.2	58.1	+ 1.4	113	0	4	1.05	+0.33	53.9	+25.9	49	+22
10. IRELAND, S.	Brookeborough	74	41	68.3	49.9	58.5	+ 1.2	116	0	3	0.31	-0.58	*	*	*	*
	Armagh	69	45	66.6	50.4	57.9	0.0	111	0	4	0.72	-0.05	61.0	+32.0	55	+30
	Donaghadee	68	53	63.4	54.9	58.9	+ 1.7	118	0	3	0.73	+0.01	*	*	*	*
	Edgeworthstown	70	45	67.1	51.6	58.9	+ 1.2	118	0	4	1.68	+0.81	*	*	*	*
	Dublin	69	48	66.0	53.3	59.2	- 0.7	120	0	3	2.15	+1.57	54.7	+19.5	50	+16
	Parsonstown	70	44	67.1	48.7	57.3	- 1.6	107	0	3	0.82	+0.11	22.7	- 9.5	21	- 7
	Kilkenny	68	45	65.3	52.1	58.2	- 0.6	113	0	4	1.43	+0.82	*	*	*	*
CHANNEL ISLANDS.	Waterford	68	45	65.3	52.1	58.2	- 0.6	113	0	4	1.43	+0.82	*	*	*	*
	Roche's Point	68	50	63.7	54.0	58.5	- 1.5	116	0	6	0.91	+0.16	*	*	*	*
	Valencia	68	46	65.3	53.1	58.8	- 0.1	118	0	6	0.93	+0.01	39.0	+ 4.3	36	+ 3
	Killarney	71	44	64.8	48.4	56.0	- 2.7	98	0	6	0.40	?	*	*	*	*
	Foynes	69	50	66.0	54.1	59.6	+ 1.2	123	0	5	0.71	?	*	*	*	*
CHANNEL ISLANDS.	Scilly (St. Mary's)	67	53	63.1	56.7	59.7	- 0.8	124	0	6	2.21	+1.62	29.4	?	27	?
	Jersey	71	56	68.0	58.3	62.8	+ 0.1	146	0	6	2.00	+1.48	24.7	-28.4	23	-27

Stations marked † are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

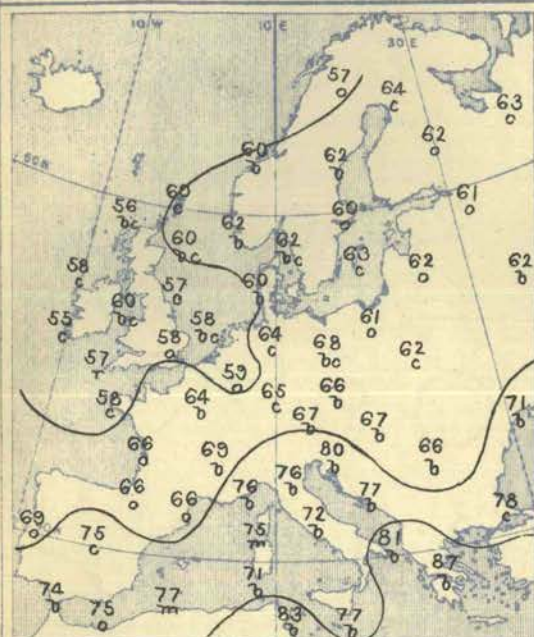
* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 22nd July.

Temperature and Weather.

8 a.m.

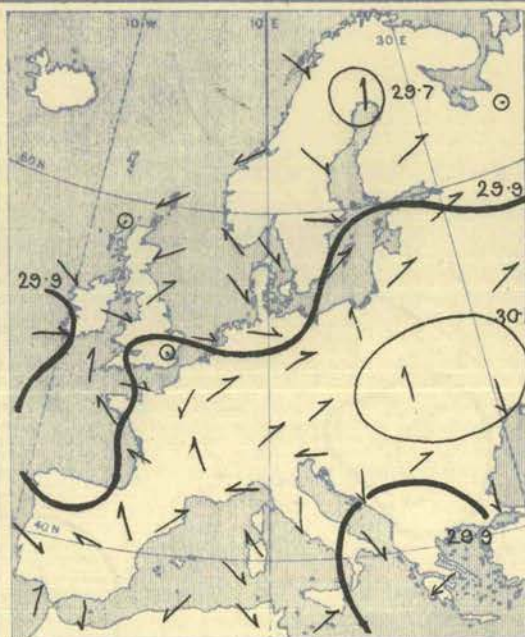


Weather in morning fine and bright (1) over south-eastern and central Europe and many parts of the Mediterranean, (2) over Norway and several parts of Scotland and Ireland; cloudy or overcast elsewhere, rainy at Copenhagen and at the mouth of the English Channel. Rain falling later in considerable quantities over Brittany, our south-western, south midland, and eastern counties, as well as in some parts of Germany and the Baltic Provinces, and in smaller quantities over north-western and northern Europe generally, thunder and lightning occurring in the east of Scotland and at Biarritz.

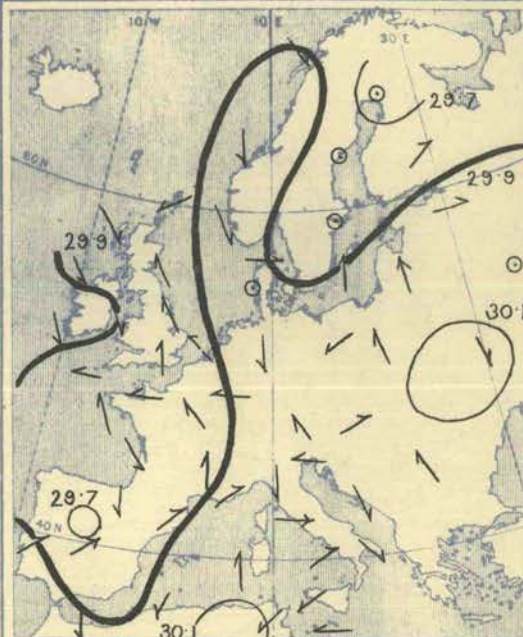
Temperature in morning, 87° at Patras, 80° and more over Tunis, the east of Spain, and at Toulon and Trieste; above 70° over southern Europe, and above 60° over the central, eastern, and northern countries as a whole. Lowest, 54° at Malin Head, 55° at Valencia and Roche's Point, 57° at Oxford, Ardrossan, Nairn, and Bodø. Rising later to 70° or 71° in several parts of Great Britain, to 77° at Hørnösand, and to 88° at Lyons, 90° at Rome, and to between 95° and 105° in some parts of Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



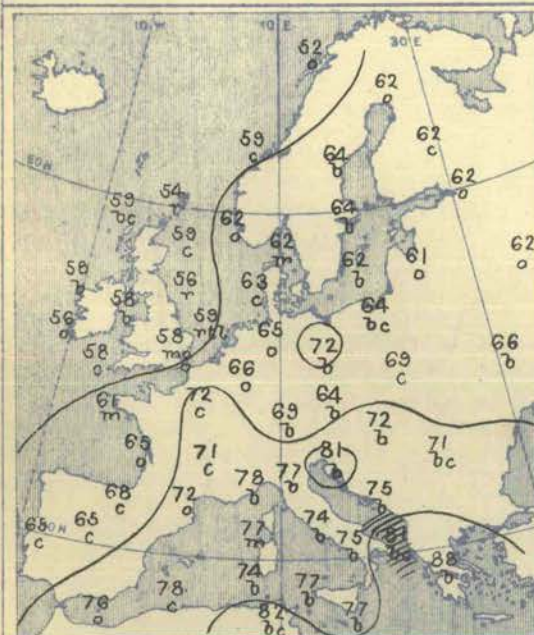
Wind variable. South-Easterly to Southerly over France, South-Westerly over Germany and the Baltic; extremely variable and light elsewhere, calm in several places over the south of England. Shifting to the Northward in the west of Ireland later, and to East and South-East in the south of England and the Channel. Not much change elsewhere.

Barometer highest, 30.1 ins. and more to 29.9 ins. over central and eastern Europe, and exceeding 29.9 ins. in the west of Ireland. Lowest, (1) 29.7 ins. and less in a depression over the northern parts of the Gulf of Bothnia; (2) about 29.8 ins. over Greece; (3) about 29.85 ins. in a small depression off the mouth of the Channel. Falling over France and the Bay of Biscay later; local depression appearing in those regions and spreading northwards.

Monday, 23rd July.

Temperature and Weather.

8 a.m.

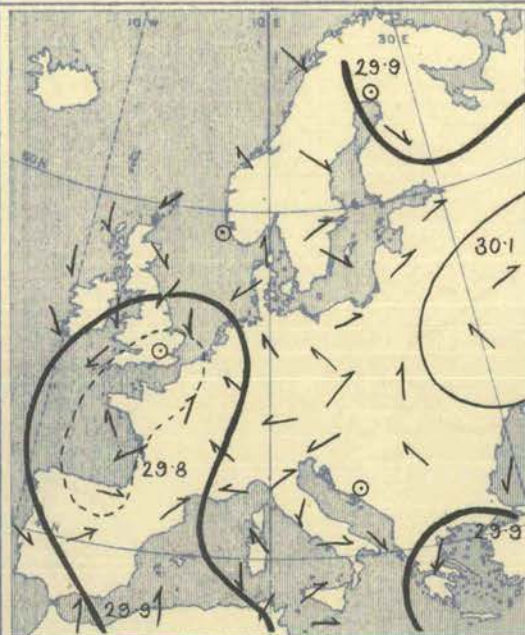


Weather in morning fine in the western parts of the United Kingdom, cloudy elsewhere, with rain at many English stations and a thunderstorm at Yarmouth. Fine over the greater part of the Continent, dull in Norway and in the west and north of France; rainy at Münster and Lorient. Thunderstorms occurring later in the south of our Islands, the Netherlands, and the west and north of France, with heavy rain in many places; showers over several of our more northern districts.

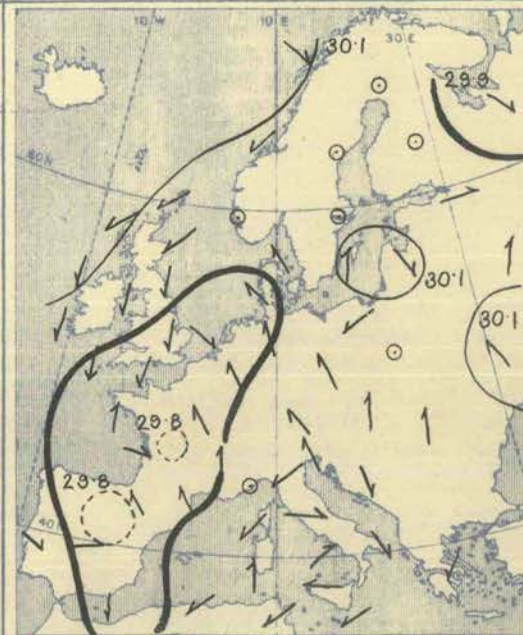
Temperature fallen a little in most parts of our Islands and in Spain, risen in most other countries. Morning readings highest, 88° at Patras, 83° at Sfax, 82° at La Calle, and 81° at Brindisi and Athens; above 75° at most of the Mediterranean stations. Lowest, (1) 52° at Bodø; (2) 52° at Parsonstown and 51° at Sunburgh Head and Leith (below 60° in most parts of our Islands). Maxima below 65° over a considerable portion of the United Kingdom, but 72° at the North Foreland; exceeding 80° in many parts of France and Germany, and reaching 91° at Berlin, 95° in several parts of Italy, and 108° at Trieste.

Barometer and Wind.

8 a.m.



6 p.m.



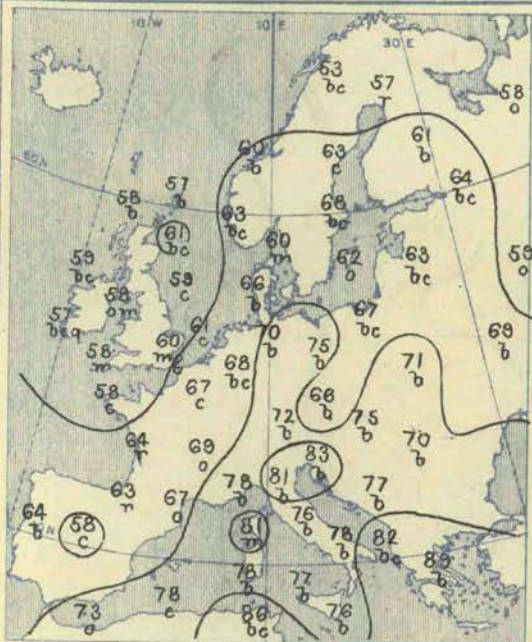
Wind light from the Northward over the greater part of our Islands, but variable in the extreme south-east of England. Light from the Eastward or South-Eastward over Denmark, Germany, the Netherlands, and the greater part of France, but Westerly in Spain. Light to moderate from the Westward over Sweden and northern Russia; variable in Austria and the south of Russia; light from the Northward or North-Westward in Italy. Subsequently veering to the North-Eastward in Scotland; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in a large anticyclone over the central and southern parts of Russia; 30.0 ins. and upwards in another large system extending from the Atlantic over the west of Norway and the extreme western parts of our Islands. Lowest, 29.8 ins. and less in a complex depression stretching from the Bay of Biscay across the north of France and the south-east of England. Depression filling up gradually during day, and barometer rising in nearly all parts of western Europe.

Tuesday, 24th July.

Temperature and Weather.

8 a.m.

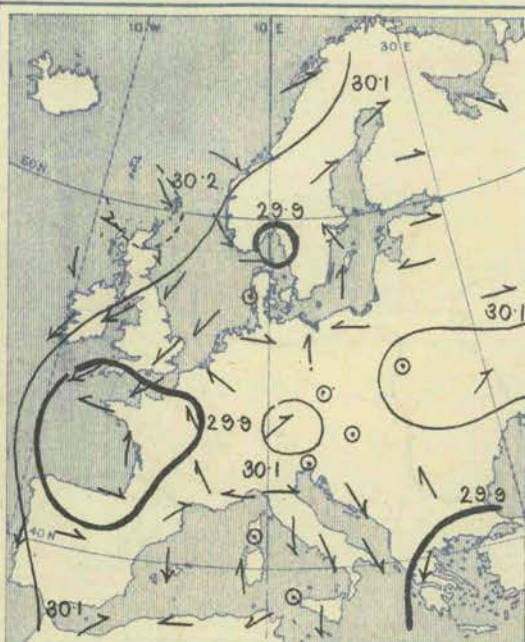


Weather in morning fine and bright (1) over Norway, Scotland, and the greater part of Ireland, (2) over south-eastern, central and southern Europe; very dull and unsettled over the Bay of Biscay, the west and north of France, and the greater part of England, with rain in several places, fog and mist at our southern stations and in the Channel. Rain later in all parts of England and Ireland (heavy in the north-west), thunderstorms in the south-west, south, and east; heavy rain and thunder in the south-west of France and some showers in Sweden.

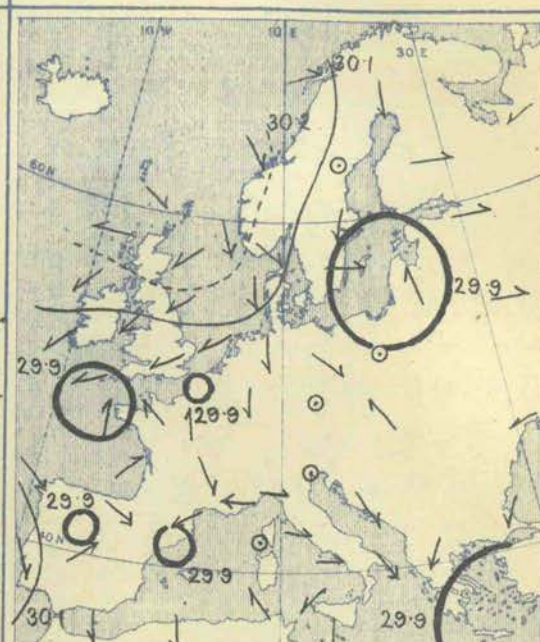
Temperature highest, 89° at Patras, 86° at La Calle, and exceeding 80° at several other Mediterranean stations, and exceeding 70° in many parts of Germany. Lowest, (1) 53° at Bodö, 58° at Archangel; (2) 56° at Parsonstown, 57° at Nairn and Sumburgh Head, and below 60° over Ireland and the greater part of Scotland. Rising later to between 60° and 67° in the latter regions, to 71° in some parts of England, to 90° at Nice, and to upwards of 90° in parts of Germany and Italy, to 102° at Hermanstadt, and 106° at Laghouat.

Barometer and Wind.

8 a.m.



6 p.m.



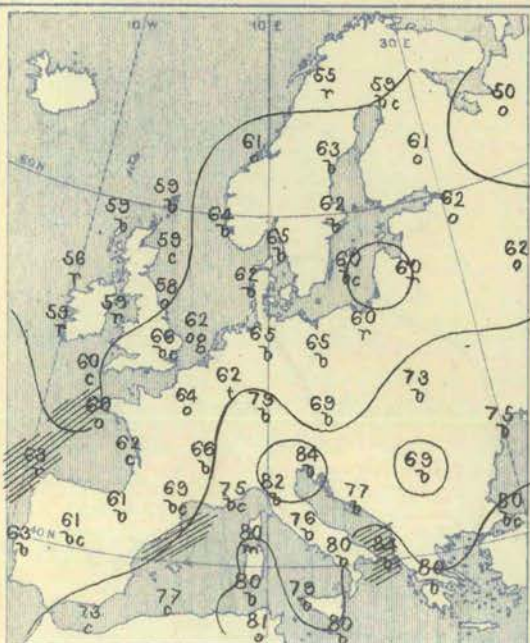
Wind exceedingly variable over the Continent as a whole, but chiefly Easterly to Northerly over Brittany and the British Isles, and Northerly to Westerly over Spain. Becoming more Easterly over the United Kingdom later, and freshening in several places. Westerly wind over Spain spreading northwards to France.

Barometer highest, 30.2 ins. and more over Scotland and exceeding 30.1 ins. over the extreme north-western and western countries generally, as well as over Hungary and the south of Russia. Lowest, 29.9 ins. and less in a depression over the Bay of Biscay and the west and north-west of France, and also over the Grecian Archipelago; 30.0 ins. and less in two other depressions, one over Denmark, Holstein, and the Sound, the other over the north of Russia. The western depression moving northwards later; barometer falling on our south-west coasts; rising over Scandinavia.

Wednesday, 25th July.

Temperature and Weather.

8 a.m.

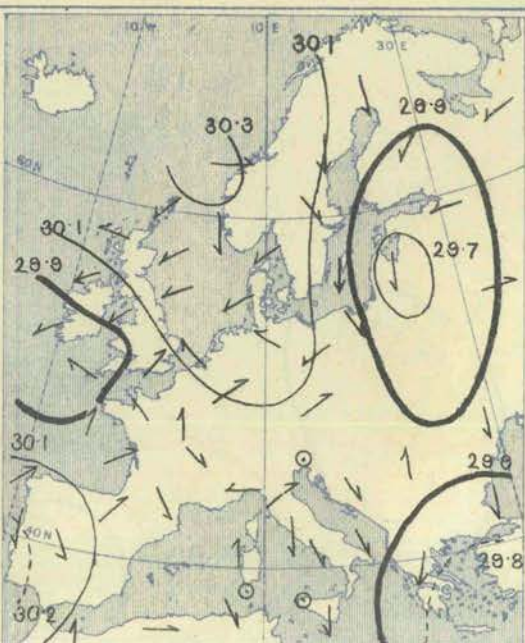


Weather in morning fine and bright over south-eastern and central Europe and the Mediterranean, as well as at the Swedish stations and over the north of Scotland; very unsettled (2) over the British Islands and western Europe, (2) over Finland and the Baltic Provinces, with rain in many places. Rain falling later over England, Ireland, and the greater part of France, and heavy thunderstorms occurring over western Germany, slighter ones in many other places.

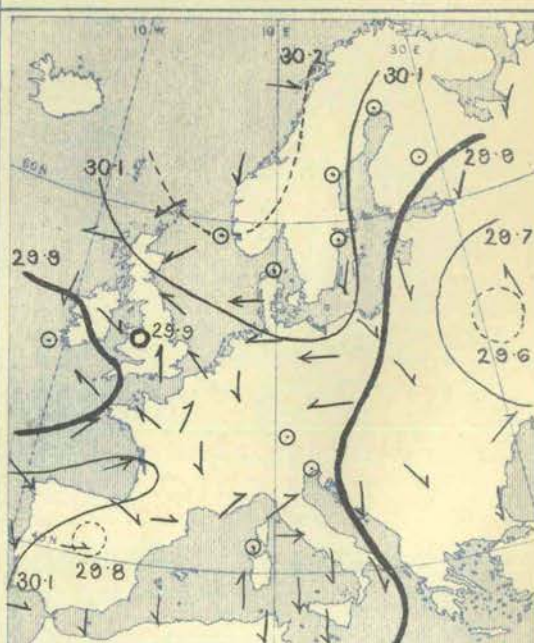
Temperature highest, 80° and more at many stations on the southern and eastern shores of the Mediterranean and Adriatic and at Constantinople, and exceeding 70° in several places over Germany and the south of Russia. Lowest, below 60° over Ireland, Scotland, and the extreme north of Europe; (1) 50° at Archangel, 55° at Uleaborg and Bodö, 57° at Helsingfors; (2) 55° to 56° over the northern half of Ireland, 58° to 59° at many of the stations over north Britain. Rising later to 90° and more over Austria, Italy, and Algeria, and touching 104° at Laghouat.

Barometer and Wind.

8 a.m.



6 p.m.



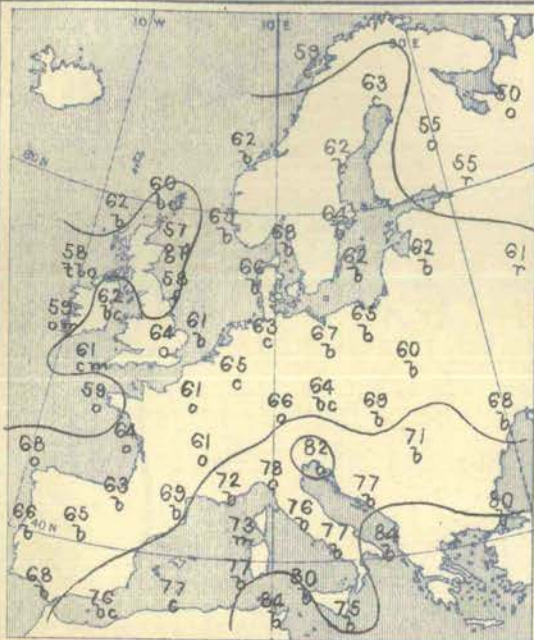
Wind (1) Northerly, strong to moderate, over Sweden, the Gulf of Bothnia; (2) Easterly over the northern parts of our Islands (very strong in the north of Ireland), Southerly over the southern half of England and the north of France, and nearly Westerly at Rochefort and Corunna; (3) very variable over southern Europe and the Mediterranean. No decided change occurring later, as far as our Islands and north-western Europe are concerned.

Barometer highest, (1) 30.3 ins. and more to 30.1 ins. over Scandinavia, the North Sea, Scotland, and neighbouring parts of the Atlantic; (2) 30.2 ins. and more to 30.1 ins. over the Iberian Peninsula and neighbouring parts of the Atlantic. Lowest, (1) below 29.9 ins. in a complex depression off our south-western coasts, and below 30.0 ins. in a secondary system over England and the north-east of France; (2) below 29.7 ins. in a large system over the Baltic Provinces and western Russia. Falling over our northern districts later, but not changing decidedly over France.

Thursday, 26th July.

Temperature and Weather.

8 a.m.

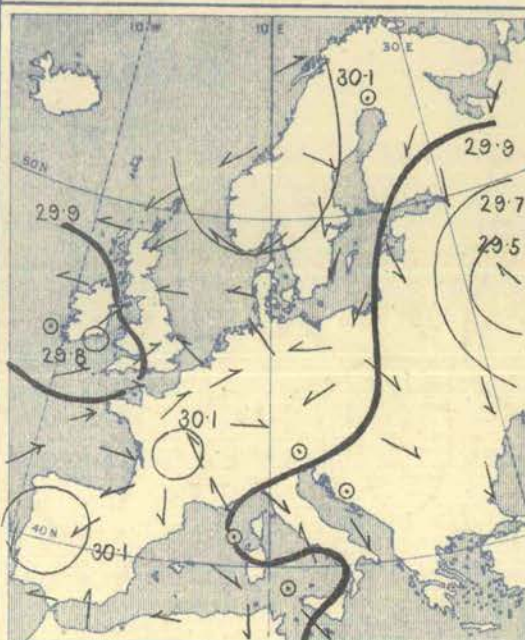


Weather in morning still fine over south-eastern, central, and southern Europe, as well as over Scandinavia and Denmark, temporarily fine in several parts of England also; cloudy and unsettled over Ireland and some parts of Scotland, with thunder showers in places; dull and rainy over central Russia. Showers locally in many parts of our Islands, western France, and central Europe later, and considerable rain at Munich. Thunderstorms occurring in eastern Germany.

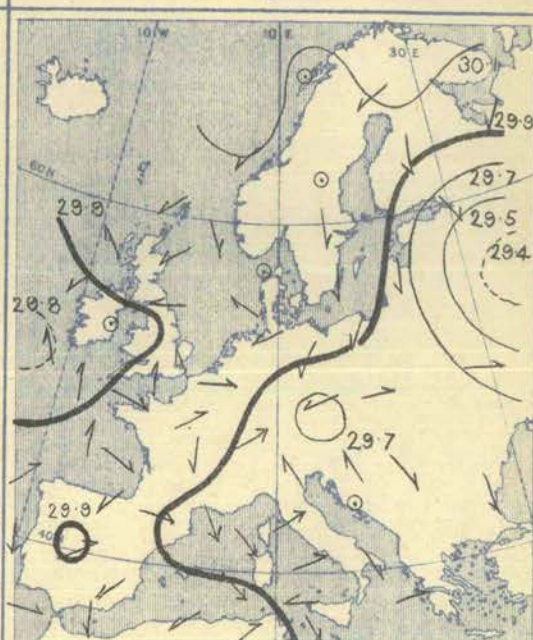
Temperature highest, 80° or more at Constantinople, Brindisi, Trieste, and some Algerian stations; exceeding 70° over southern Europe generally, and exceeding 60° in most other places. Lowest, (1) 50° at Archangel, 55° at Kuopio and St. Petersburg, (2) 57° to 59° on our north-east coasts, 57° to 58° over the eastern and central parts of Ireland. Rising later to between 70° and 75° over England and Germany, and to 72° at Paris, but touching 84° at the Scaw, 86° at Fano and Nice, 88° at Perpignan, 90° and more over Italy, 106° at Laghout, night cooler over England than of late.

Barometer and Wind.

8 a.m.



6 p.m.



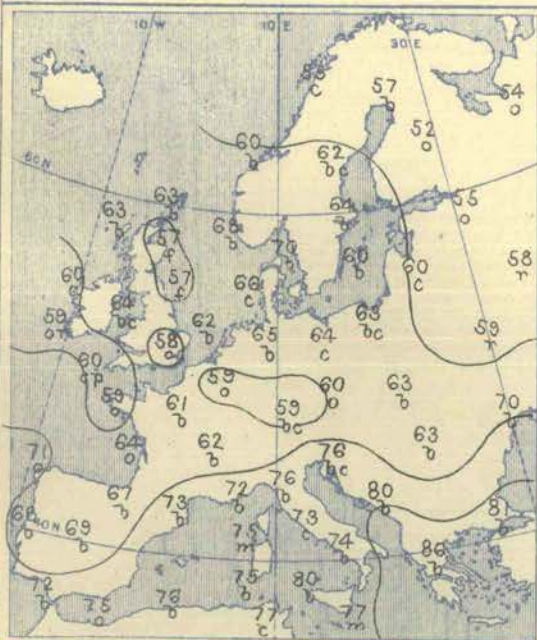
Wind (1) South-Westerly over the Bay of Biscay and English Channel, Southerly over the east of England, Easterly at our northern stations and over western Germany. Very variable over Ireland and also in Norway; (2) Northerly over the Baltic, north Germany, the Gulf of Finland, North-Westerly over the south of Russia, Easterly (very light) at Moscow. No decided change later.

Barometer highest, 30.1 ins. to 30.0 ins. and more over Scandinavia, the eastern shores of the North Sea, also over Algeria, the Iberian Peninsula, and south-west of France. Lowest, (1) below 29.5 ins. in a large depression over central Russia; (2) 29.9 ins. to 29.8 ins. and less over Ireland, Wales, and the south-west of England. Subsequent changes very slight.

Friday, 27th July.

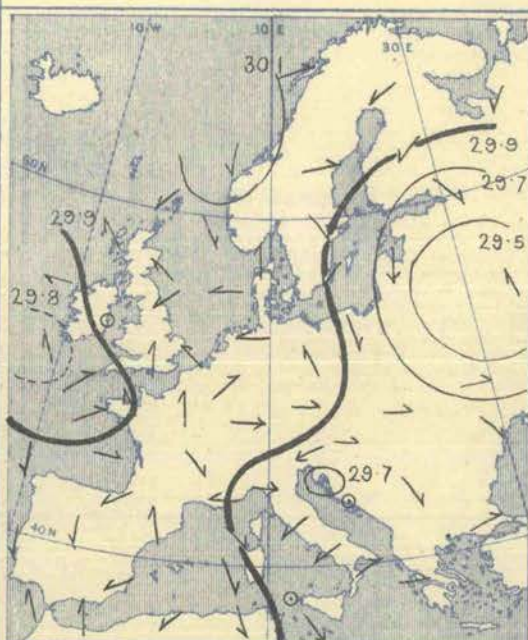
Temperature and Weather.

8 a.m.

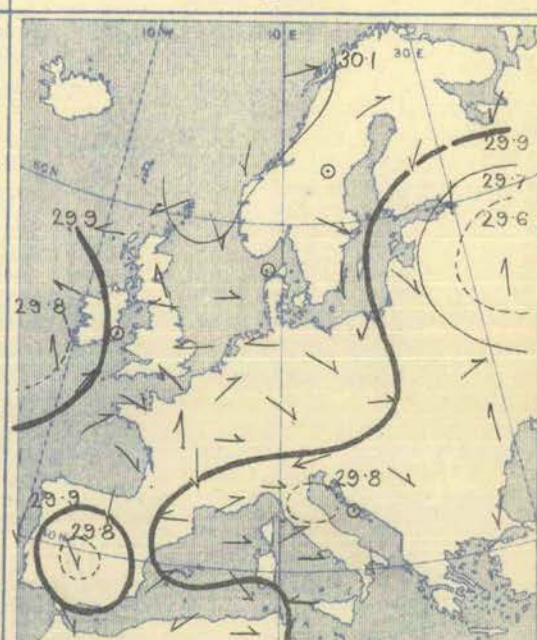


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine and bright over south-eastern and southern Europe, and also over Scandinavia; clearing up over Germany, the North Sea, and the eastern half of England, but foggy along our north-east coasts. Still unsettled over Ireland, with rain at Roche's Point; dull and rainy over central Russia. Considerable rain at Valencia (Ireland) later, and thunderstorms on our north-west coasts; showers in Finland and some parts of Germany also.

Temperature changing irregularly. Morning readings highest, 80° to 87° over south-eastern Europe, and above 70° at the Mediterranean and Adriatic stations generally; above 60° over the greater part of the Continent and England. Lowest, 52° at Kuopio, 54° at Archangel, 55° at St. Petersburg and Bodö, and 56° to 57° on our own north-east coasts. Rising later to between 70° and 79° over England, to 77° at Paris, 84° at Nice, 90° and more over some parts of Italy, the extreme south of France, and over Algeria, and to 104° at Laghout.

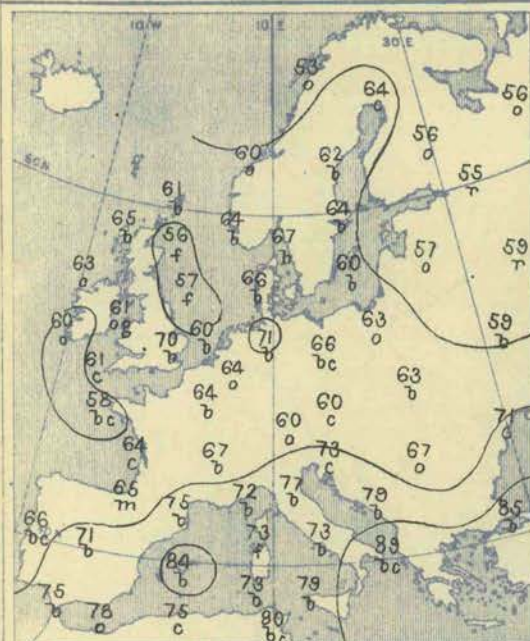
Wind (1) light and variable over Scandinavia, the Netherlands, western Germany, and France; (2) Southerly to Easterly and variable over the United Kingdom, South-Westerly to Westerly in the west of France; (3) Northerly, fresh, over the Baltic and Baltic Provinces, Westerly, light, over the south of Russia; (4) an independent cyclonic circulation of strong or fresh breezes observed over the northern parts of the Mediterranean and Adriatic; and North-Westerly breezes at Cagliari, Tunis, and Palermo.

Barometer highest, (1) 30.1 ins. and more to 30.6 ins. over Scandinavia and the North Sea; (2) exceeding 30.0 ins. over France, Portugal, and the north of Spain. Lowest, about 29.4 ins. in a well-marked depression over central Russia; (2) about 29.7 ins. in another over the north-eastern shores of the Adriatic; (3) below 29.8 ins. over the south-west of Ireland and adjacent parts of the Atlantic. Low pressure area in last-named region moving northwards later.

Saturday, 28th July.

Temperature and Weather.

8 a.m.

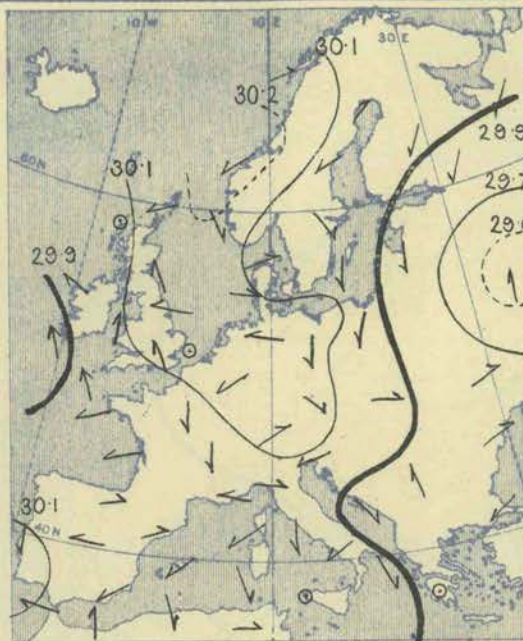


Weather in morning fine and bright over south-eastern, southern, and the greater part of central Europe, as well as over the Baltic, Sweden, Denmark, and many parts of England; very foggy along our north-east coasts and at some of the Channel stations, cloudy elsewhere, rainy at Moscow and St. Petersburg. Rain later at our south-western and western stations (heavy in the south-west), and considerable falls in the west of France also; thunder and lightning in all the last-named regions.

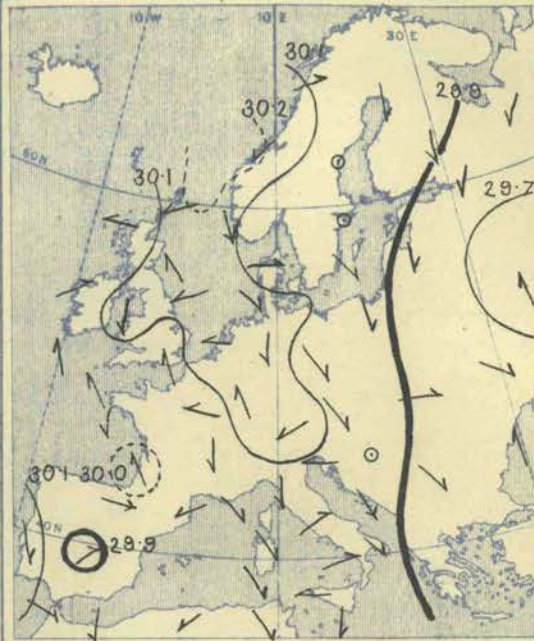
Temperature risen over the south-midland parts of England, fallen over central Europe. Morning readings highest, 89° at Brindisi, above 80° over south-eastern Europe generally, as well as at Barcelona and Palma, and above 70° on the Mediterranean coasts generally. Lowest, (1) 55° to 59° over central and northern Russia; (2) 55° at Bodö, 56° to 57° along our north-eastern coasts, 58° at Donaghadee and York. Rising later to between 75° and 78° over the inland parts of England, to 77° in Sweden, 83° at Paris, 86° to 91° over Italy, and rather higher over parts of Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



Wind (1) Northerly over the Baltic and Finland, Northerly to North-Westerly over north Germany and the Baltic Provinces, Westerly over the south of Russia, Southerly at Moscow, (2) Northerly to Westerly on the Portuguese and Spanish coasts, but Easterly in the west of France and South-Easterly to Easterly over the British Islands; very variable over the Mediterranean. Cyclonic circulations appearing over Spain later, and wind freshening a little over the Mediterranean. No great change elsewhere.

Barometer highest, 30.2 ins. and more in the west of Norway, and exceeding 30.1 ins. all over the North Sea, the Netherlands, and western Germany; exceeding 30.0 ins. over France and some parts of the Mediterranean. Lowest, (1) 29.6 ins. and less in a depression over central Russia; (2) below 29.9 ins. over the west of Ireland and the neighbouring parts of the Atlantic. Local depression forming over central Spain later; Russian depression beginning to fill up.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus : $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The distribution of pressure observed during this period was rather complex. At the commencement of the week the barometer was highest over eastern Europe, and lowest in a large irregularly shaped area covering most of the north-western and northern countries. After the 23rd, however, the eastern high-pressure system gave way, while a new anticyclone advanced from the Atlantic over the northern parts of our Islands and the North Sea. A definite, but very complex, depression was now developed over the Bay of Biscay, France, and the English Channel; and, during the remainder of the week, this disturbance moved slowly in a north-westerly direction across the south-western parts of the United Kingdom and away to the Atlantic. The weather over England, Ireland, and France was, therefore, extremely unsettled, with thunderstorms in many places, and with heavy local falls of rain, especially in the Channel Islands and the south-west of England. Over the northern parts of the United Kingdom the weather was mostly fine; and, on the 27th and 28th, when the northern high-pressure system spread southwards over a considerable portion of western Europe, a gradual improvement took place over Great Britain; with a decided rise in temperature. During the latter half of the week a well-defined depression which lay over Russia occasioned unsettled, showery weather in many parts of eastern Europe. Over the southern countries, however, fine, hot weather was experienced throughout nearly the whole period, the shade temperature rising in many places to over 90°, and in some localities to over 100°.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 176.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	30.7	?	27	?	EASTBOURNE	46.8*	?	43*	?
OSWALDKIRK (Yorkshire)	43.1	?	39	?	MANCHESTER (Oldham Road)	31.3*	?	28*	?
WORKSOP	31.5	- 4.9	29	- 4	TENBY	31.4*	?	29*	?
THURCASTON (Leicestershire)	27.9	- 9.5	25	- 9	NEWQUAY	24.2	?	23	?
MARGATE	44.3	?	41	?	TORQUAY	22.0*	?	21*	?
WESTBOURNE (Sussex)	42.2*	?	39*	?	ARLEY COTTAGE (County Cavan)	48.6	?	44	?
BRIGHTON	57.5	?	47	?	GUERNSEY	23.8*	?	22*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

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VOL. XI. No. 31.]
Third Series.

WEEK ENDING SATURDAY, AUGUST 4TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 182.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	79	47	64.9	53.3	58.8	4 above	Day-deg. 118	Day-deg. +36	Day-deg. 0	Day-deg. 0	Day-deg. 1343	Day-deg. +311	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	74	43	65.9	52.1	58.6	2 above	116	+12	0	0	1398	+ 40	581	+ 8
	2. ENGLAND, N.E.	76	46	65.8	53.4	59.2	0 (average)	120	+ 5	0	0	1523 ¹	+133	455	- 51
	3. ENGLAND, EAST.	79	47	69.1	54.7	61.5	0 (average)	137	+10	0	0	1803	+121	471	-100
	4. MIDLAND COUNTIES.	79	46	68.7	53.2	60.5	1 above	130	+ 8	0	0	1825	+142	483	- 79
	5. ENGLAND, SOUTH	77	50	67.4	56.4	61.6	0 (average)	137	+ 5	0	0	1950	+138	303	-119
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	77	46	66.5	53.3	59.5	2 above	123	+29	0	0	1513	+100	345	- 69
	7. ENGLAND, N.W.	77	50	66.6	55.0	61.4	1 above	129	+15	0	0	1716	+207	301	-121
	8. ENGLAND, S.W.	79	45	65.4	55.2	60.0	0 (average)	126	+ 6	0	0	1829	+146	236	- 81
	9. IRELAND, NORTH	83	45	66.4	53.4	59.5	2 above	123	+18	0	0	1602	+ 83	334	- 33
	10. IRELAND, SOUTH	74	46	64.8	54.0	59.1	0 (average)	120	+ 6	0	0	1859*	+131	217	- 67
	—CHANNEL ISLANDS	66	54	63.5	57.0	60.0	2 below	126	- 5	0	0	2101	+231	94	- 18

DISTRICTS. (See p. 182.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from: Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 8	10ths of ins. 1 less	137	- 4	32.8	+ 6.4	22	+11	25	+ 9	828	+157	35	+ 5
	1. SCOTLAND EAST	3	14	7 more	125	+11	22.9	+ 5.6	23	- 5	25	- 6	911	+ 48	35	+ 2
	2. ENGLAND, N.E.	4	6	1 less	124	+19	15.4	+ 1.1	30	- 6	27	- 5	943	+124	34	+ 4
	3. ENGLAND, EAST.	4	3	4 less	116	+13	14.9	+ 0.7	38	- 5	55	- 5	1036	+ 18	37	+ 1
	4. MIDLAND COUNTIES.	4	8	1 more	118	+16	14.8	- 1.0	28	-11	24	- 11	937	+ 66	34	+ 3
	5. ENGLAND, SOUTH	4	10	4 more	115	+16	16.9	+ 2.0	27	-17	26	- 17	1107	+ 51	38	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	15	5 more	136	+14	31.5	+ 4.3	31	- 5	27	- 5	942	+ 28	33	+ 1
	7. ENGLAND, N.W.	5	15	7 more	132	+21	21.3	+ 3.2	29	- 5	27	- 6	902	+ 71	34	+ 2
	8. ENGLAND, S.W.	5	10	2 more	133	+19	23.2	+ 1.7	30	-11	28	- 13	1195	+ 22	38	+ 1
	9. IRELAND, NORTH	5	6	2 less	147	+16	24.8	+ 5.1	31	+ 2	29	+ 1	871	+ 34	31	+ 1
	10. IRELAND, SOUTH	5	8	1 more	140	+20	25.4	+ 3.8	26	- 8	24	- 9	939	- 38	33	- 1
	—CHANNEL ISLANDS	7	14	9 more	133	+16	21.5	+ 4.0	23	-33	25	- 30	1183	- 53	42	- 2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this week was again in an unsettled condition, with frequent rain and occasional thunderstorms in nearly all parts of the Kingdom. The rain experienced at the opening of the period was very heavy at most of the southern and south-western stations, and that of the 2nd-3rd was equally so in Scotland and several of the more northern parts of England.

Temperature continued a few degrees above the mean over Scotland and in Ireland N., and slightly exceeded it in the Midland Counties and England N.W.; in most other districts the values just equalled the normal, but in the Channel Islands there was a deficit of 2°. The highest of the maxima, which were recorded during the earlier part of the week, ranged from 83° in Ireland N. (at Londonderry) to 74° in Scotland E. and Ireland S., and to 66° in the Channel Islands. The lowest of the minima were registered on somewhat irregular dates, and ranged from 43° in Scotland E., to 50° in England S. and England N.W., and to 54° in the Channel Islands.

Rainfall was less than the mean in England N.E. and E., as well as in Ireland N. and Scotland N. In all other districts there was an excess, that in Scotland E., England N.W.,

and the Channel Islands being large. The largest amounts measured at any individual stations were 1.53 ins. at Eastbourne and 2.6 ins. at Westbourne (Sussex), which fell on the 29th, and 1.96 ins. at Braemar, 2.90 ins. at Glenlee, and 2.22 ins. at Biggry (Cumberland), which fell during the 24 hours ending on the morning of the 3rd.

Bright Sunshine was less than the normal in all districts excepting Scotland N. and Ireland N. The percentage of the possible duration ranged from 35 in England E., to 25 in the Channel Islands and Scotland N. and E., and to 24 in Ireland S.

Barometer and Wind.—At the commencement of the week a shallow depression appeared over the south of England, and travelling eastwards caused thunderstorms and heavy rain over our southern and south-western districts. In its rear the wind shifted to the Northward, but disturbances from the Atlantic soon began to move northwards over our extreme western and north-western coasts, so that the wind over our Islands returned to the Southward and South-Westward very generally. In addition to these disturbances a well marked shallow depression was formed over the north of England late on the 2nd, producing the thunderstorms and very heavy rains over the northern districts.

II.—DATA from which the SUMMARY on page 181 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND N.	Sumburgh Head	63	48	61.9	52.6	57.0	+ 4.0	105	0	2	0.43	-0.18	*	*	*	*
	Stornoway	72	54	63.0	56.9	59.8	+ 5.1	125	0	5	0.35	-0.39	40.0	+11.5	35	+ 9
	Wick	67	52	62.6	53.6	57.8	+ 2.6	111	0	3	0.47	-0.11	*	*	*	*
	Lairg	77	47	66.7	49.1	57.4	+ 2.1	108	0	3	0.58	-0.12	*	*	*	*
	Glencarron	79	50	67.8	51.8	59.3	+ 4.7	121	0	5	1.03	+0.16	*	*	*	*
	Fort Augustus	69	49	64.9	54.2	59.2	+ 2.6	120	0	5	1.07	+0.37	18.1	?	16	?
1. SCOTLAND, E.	Fort William	79	54	67.7	54.8	60.9	+ 4.2	132	0	4	1.07	-0.22	28.0	?	25	?
	Nairn	70	47	65.9	53.1	59.1	+ 1.7	120	0	4	0.53	-0.12	*	*	*	*
	Aberdeen	67	50	63.1	54.1	58.3	+ 1.2	114	0	3	1.48	+0.78	31.6	- 4.9	23	- 6
	Braemar	73	43	65.4	49.2	56.8	+ 2.2	104	0	4	2.04	+1.28	34.2	?	31	?
	Ochtertyre	74	47	68.9	51.9	59.9	+ 2.8	125	0	4	2.51	+1.71	*	*	*	*
	Leith	71	50	67.3	52.9	59.7	+ 1.0	124	0	4	1.17	+0.57	*	*	*	*
2. ENGLAND, N.E.	Marchmont	67	46	64.9	51.1	57.5	+ 0.7	109	0	1	0.68	-0.12	23.3	?	21	?
	Abwick Castle	68	47	64.3	52.3	57.9	+ 0.4	111	0	2	0.30	-0.41	*	*	*	*
	Durham	70	50	66.8	53.0	59.5	+ 0.3	123	0	4	0.59	-0.15	27.5	- 9.1	25	- 8
	Shields	68	51	64.0	53.6	58.5	+ 0.3	116	0	4	0.33	-0.39	*	*	*	*
	Scarborough	69	50	66.2	53.2	59.3	- 0.2	121	0	4	1.27	+0.57	*	*	*	*
	York	76	46	68.9	52.6	60.3	+ 0.7	128	0	4	0.79	+0.17	33.2	- 1.8	30	- 3
3. ENGLAND, E.	Spurn Head	67	49	64.6	55.7	59.9	- 0.3	125	0	4	0.25	-0.17	*	*	*	*
	Hillington	76	47	69.3	54.6	61.7	+ 0.8	138	0	5	0.40	-0.30	35.5	- 7.3	33	- 6
	Yarmouth	70	52	66.6	56.6	61.3	+ 0.2	135	0	4	0.16	-0.52	*	*	*	*
	Geddeston	73	51	69.4	54.8	61.7	+ 0.8	138	0	4	0.19	-0.31	35.9	- 9.7	34	- 9
	Cambridge	73	48	71.0	53.3	61.6	- 0.3	137	0	3	0.29	-0.23	44.4	+ 1.7	41	+ 1
	Rothamsted	75	50	68.5	54.4	61.0	+ 0.6	133	0	4	0.21	-0.39	34.9	?	33	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	79	46	71.7	52.3	61.4	+ 1.2	136	0	5	0.40	-0.20	*	*	*	*
	Loughborough	77	49	71.1	54.6	62.4	+ 1.1	143	0	5	0.41	-0.16	*	*	*	*
	Stamford (Ketton Hall)	76	46	70.7	53.0	61.3	0.0	135	0	5	0.26	-0.26	*	*	*	*
	Cheadle	75	46	67.6	52.4	59.5	+ 1.6	123	0	4	0.94	+0.21	*	*	*	*
	Churchstoke	72	48	65.9	52.0	58.5	+ 0.5	116	0	4	1.02	+0.37	23.1	-16.1	21	-16
	Hereford	75	47	68.1	53.7	60.5	+ 0.1	130	0	4	1.04	+0.47	*	*	*	*
5. ENGLAND, S.	Cirencester	72	46	66.1	52.6	59.0	- 0.4	119	0	4	0.76	+0.02	25.7	-15.0	24	-16
	Oxford	74	50	68.4	55.1	61.4	+ 0.2	136	0	4	1.23	+0.63	31.8	-11.0	30	-10
	London	77	52	70.7	55.7	62.8	+ 0.3	146	0	3	0.34	-0.18	27.1	-12.2	25	-12
	North Foreland	69	54	67.3	56.3	61.5	- 0.1	137	0	4	0.47	?	*	*	*	*
	Strathfield Turgiss	75	51	68.8	54.8	61.4	0.0	136	0	6	1.59	+1.07	*	*	*	*
	Dungeness	70	56	66.0	58.1	61.8	- 0.3	139	0	4	0.95	+0.48	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	74	53	66.2	55.6	60.6	- 1.6	130	0	6	1.81	+1.26	28.5	-20.2	27	-19
	Southampton	71	54	67.9	56.8	62.0	- 0.4	140	0	4	1.17	+0.52	28.2	-18.8	27	-18
	Hurst Castle	70	56	66.4	58.7	62.3	+ 0.2	142	0	3	0.80	+0.30	*	*	*	*
	Stowell	70	50	66.1	55.2	60.3	+ 0.4	128	0	4	0.43	?	*	*	*	*
	Laudale (Loch Sunart)	75	50	67.4	54.3	60.5	+ 3.4	130	0	5	0.37	-0.86	*	*	*	*
	Glasgow	73	51	66.6	53.8	59.8	+ 2.5	125	0	4	2.38	+1.52	22.1	- 6.6	20	- 6
7. ENGLAND, N.W.	Ardrossan	74	53	65.0	54.7	59.5	+ 1.3	123	0	4	1.03	+0.27	*	*	*	*
	Glenlee	77	46	67.9	51.6	59.3	+ 2.7	121	0	5	2.72	+1.04	*	*	*	*
	Douglas (Isle of Man)	73	48	65.8	52.2	58.6	+ 1.2	116	0	4	0.92	+0.12	36.8	- 3.5	34	- 3
	Stonyhurst	73	50	65.9	53.5	59.3	+ 0.4	121	0	5	2.80	+1.71	28.3	- 6.4	26	- 6
	Blackpool	76	50	67.7	54.0	60.4	+ 0.5	129	0	5	1.76	+0.98	30.8	- 7.5	23	- 8
	Manchester (Prestwich)	77	51	66.2	54.3	59.9	+ 1.3	125	0	5	1.39	+1.06	25.9	?	24	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	76	53	67.9	56.4	61.8	+ 1.9	139	0	5	1.53	+0.83	*	*	*	*
	Llandudno	72	53	67.5	56.3	61.5	+ 1.2	137	0	5	0.64	-0.01	32.5	- 3.5	30	- 5
	Holyhead	68	52	64.3	55.4	59.6	+ 0.1	123	0	4	0.31	-0.31	*	*	*	*
	Llandoverly	79	45	67.7	52.4	59.6	+ 0.3	123	0	7	1.47	+0.46	*	*	*	*
	Pembroke	68	52	61.4	55.6	58.3	- 0.9	114	0	5	0.66	+0.04	28.6	-16.4	27	-16
	Bristol (Montpelier)	73	53	67.8	56.6	61.9	+ 1.6	139	0	5	1.12	+0.54	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	70	48	64.7	53.6	58.8	+ 0.2	118	0	6	1.85	+0.70	*	*	*	*
	Cullompton	72	52	68.0	55.9	61.6	+ 2.1	137	0	4	0.99	+0.34	25.5	-13.5	24	-15
	Falmouth	69	52	64.9	55.8	60.1	- 0.1	127	0	4	0.91	+0.06	41.8	- 4.0	40	- 6
	Plymouth	71	54	64.9	55.7	60.0	- 1.5	126	0	6	0.64	-0.06	30.0	-12.8	29	-14
	Prawle Point	66	53	63.6	56.0	59.6	- 0.1	123	0	4	0.30	-0.24	*	*	*	*
	Malin Head	69	52	62.9	55.7	59.1	+ 1.3	120	0	4	0.55	?	*	*	*	*
10. IRELAND, S.	Londonderry	83	52	70.5	54.0	61.8	+ 5.5	139	0	5	0.31	-0.57	*	*	*	*
	Edenfel (Omagh)	75	46	67.9	51.0	58.9	+ 1.3	118	0	6	0.53	-0.23	*	*	*	*
	Behnullet	65	51	62.7	55.0	58.6	- 0.1	116	0	5	0.67	?	*	*	*	*
	Markree Castle	74	49	66.6	52.6	59.2	+ 2.5	120	0	6	0.41	-0.32	29.0	0.0	27	- 1
	Brookeborough	75	49	67.3	53.0	59.7	+ 2.4	124	0	6	0.47	-0.43	*	*	*	*
	Armagh	76	49	68.1	51.9	59.5	+ 1.7	123	0	5	0.59	-0.16	31.7	+ 4.5	29	+ 4
CHANNEL ISLANDS.	Donaghadee	70	53	65.1	55.7	60.1	+ 2.9	127	0	5	0.50	-0.25	*	*	*	*
	Edgeworthstown	75	45	66.7	51.5	58.6	+ 1.1	116	0	6	0.94	+0.07	*	*	*	*
	Dublin	71	50	66.9	54.2	60.2	+ 0.4	127	0	4	0.29	-0.31	35.0	- 0.5	32	- 3
	Parsonstown	74	46	66.0	53.6	59.4	+ 0.5	122	0	4	0.35	-0.32	16.2	-16.2	15	-14
	Kilkenny	67	46	64.3	53.9	58.8	+ 0.1	118	0	5	0.85	+0.20	*	*	*	*
	Waterford	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CHANNEL ISLANDS.	Roche's Point	68	51	65.3	55.3	60.0	- 0.1	126	0	5	0.50	-0.28	*	*	*	*
	Valencia	64	48	62.3	53.9	57.9	- 1.1	111	0	6	1.22	+0.24	27.5	- 7.5	26	- 8
	Killarney	69	47	64.9	52.5	58.3	- 0.6	114	0	7	1.19	?	*	*	*	*
	Foynes	69	50	63.7	54.5	58.8	+ 0.4	118	0	6	1.28	?	*	*	*	*
	Scilly (St. Mary's)	66	54	63.1	56.0	59.3	- 1.3	121	0	6	1.59	+1.01	34.8	?	33	?
	Jersey	65	55	63.9	57.9	60.7	- 2.1	131	0	7	1.17	+0.68	22.4	-32.1	22	-30

Stations marked *SM* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

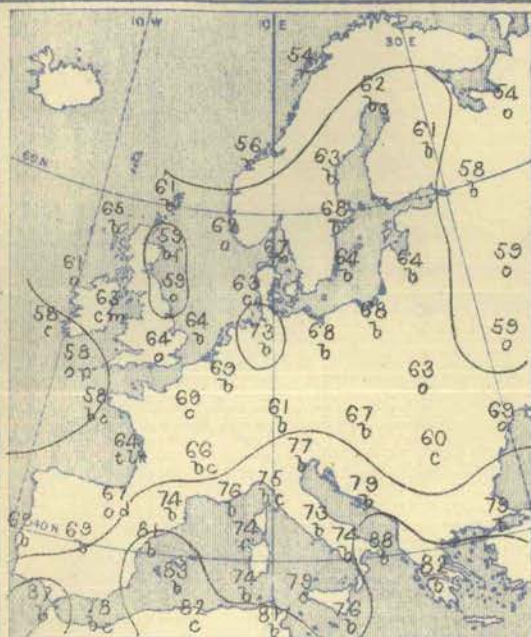
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnell Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 29th July.

Temperature and Weather.

8 a.m.

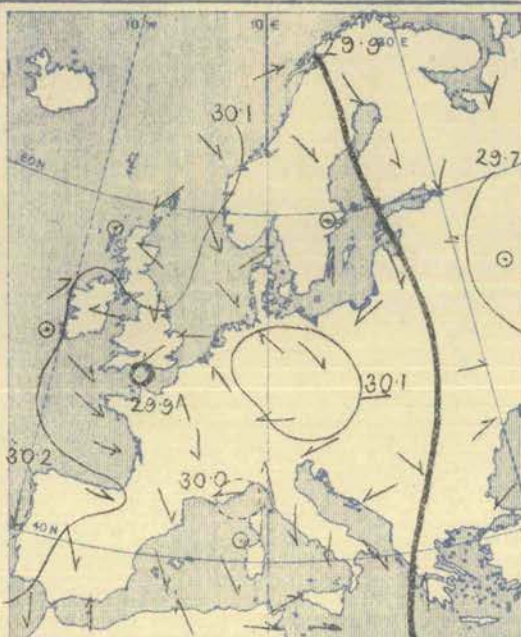


Weather in morning fine in the north of Scotland and also over the eastern parts of England; dull and rainy at many of our southern and south-western stations. Fine over the greater part of the Continent, but rainy in the west of Norway; thunderstorms reported in the west of France. Thunderstorms and heavy rain occurring during day over the south of England generally, as well as in the northern and central parts of France; sky clearing in the north of Ireland. Considerable amounts of rain falling also in the Netherlands.

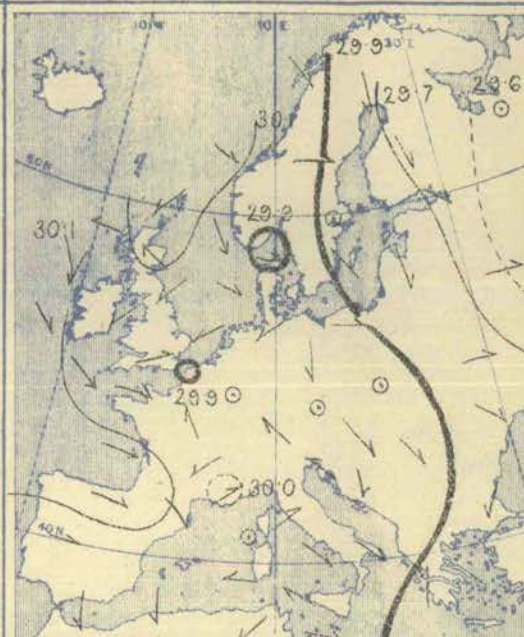
Temperature changed very irregularly. Morning readings highest, 88° at Brindisi, 87° at San Fernando, 85° at Palma, and 82° at Athens and Algiers; above 70° over southern Europe generally, and above 65° at some of the English stations. Lowest, (1) 54° at Bodø and Archangel, 56° at Christiansund, and 58° at St. Petersburg; (2) 57° at Leith, Parsonstown, and Roche's Point. Rising during day to 72° at Stornoway, to 75° and upwards in many parts of England, and to 79° at Cambridge. Exceeding 80° over France and southern Europe generally, and reaching 85° at Sanguinaire, Florence, and Vienna.

Barometer and Wind.

8 a.m.



6 p.m.



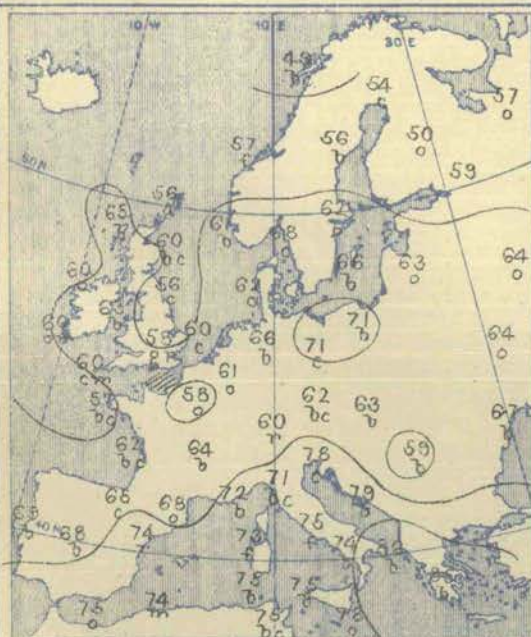
Wind light from the Eastward or North-Eastward in all but the extreme southern parts of Great Britain, where it was variable or Westerly. Variable in Ireland, moderate to fresh from the Westward in the west of France and from the Northward in Spain. Northerly or North-Westerly in Scandinavia, Russia, eastern Germany, Austria, and Italy. Easterly in western Germany and the central parts of France. Moderate North-Westerly breezes setting in later over the western parts of our Islands; wind shifting to the Eastward in the south of Scandinavia; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in Portugal; 30.1 ins. and upwards over Germany and also over the northern parts of Great Britain and the North Sea. Lowest, 29.7 ins. and less in a large depression over central Russia; 29.9 ins. to 30.0 ins. in another disturbance over the Channel and the south of England. Latter disturbance subsequently moving slowly north-eastwards, and barometer rising at most of our southern and south-western stations. High-pressure system over Germany breaking up.

Monday, 30th July.

Temperature and Weather.

8 a.m.

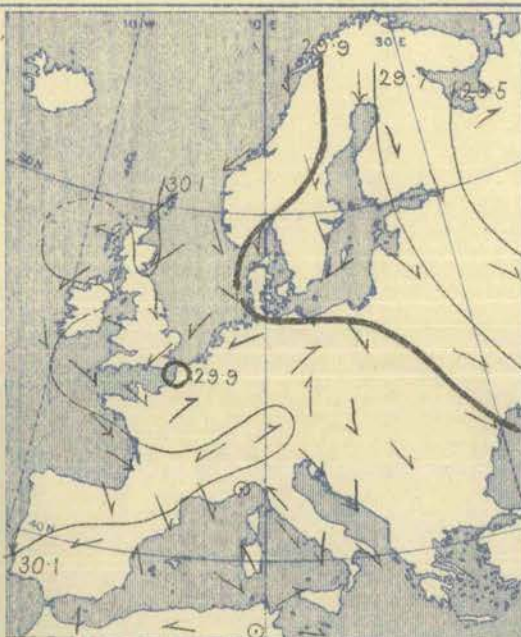


Weather in morning fine at several of our own western and northern stations, but dull over the central and southern parts of England, with slight rain in London and at Jersey. Fine over the greater part of the Continent, but dull at most of the Russian stations, and rainy at Munich and Barcelona. Showers falling during day in the east and south-east of England, and heavy rain at the Helder, Munich, and Prague, but weather improving temporarily in many parts of the United Kingdom.

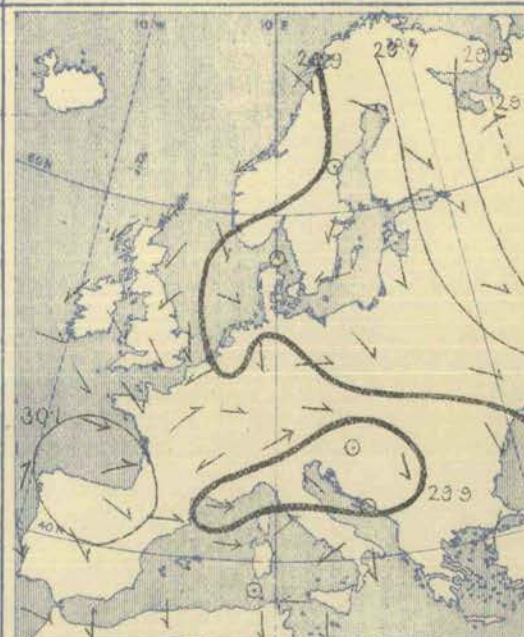
Temperature fallen in most countries. Morning readings highest, 86° at Brindisi, 85° at Athens, and 81° at Patras; above 70° over southern Europe generally, and also over north Germany. Lowest, (1) 49° at Bodø, 50° at Kuopio, and 54° at Haparanda and Uleaborg; (2) 53° at Leith and 56° at Shields. Rising during day to between 65° and 70° in most parts of the United Kingdom, and reaching 74° at Parsonstown. Daily maxima below 65° over the north of France, but thermometer exceeding 85° in most parts of southern Europe, and reaching 93° at Sanguinaire, Madrid, and Pesaro.

Barometer and Wind.

8 a.m.



6 p.m.

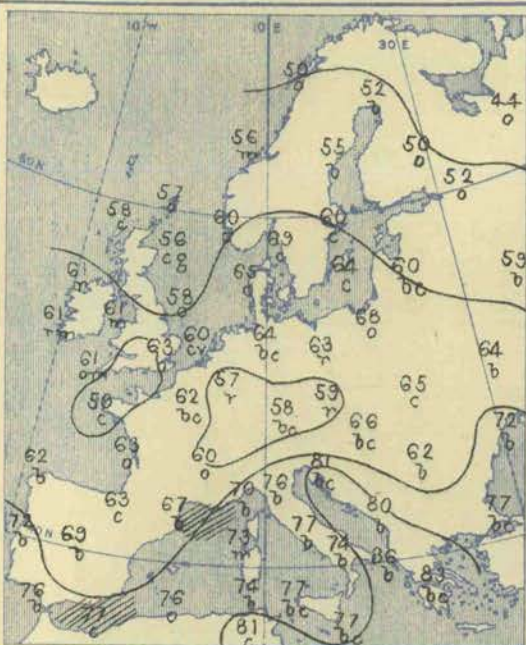


Wind light from the Northward or North-Eastward over the greater part of our Islands, moderate to fresh from the Westward or North-Westward in the west and south of France, light from the South-Westward or Southward in Germany. Northerly or North-Westerly over Scandinavia and Russia; variable in Austria, Italy, and Algeria; Northerly or North-Easterly in Spain. Cyclonic circulation of light breezes appearing later over Ireland; fresh to strong Westerly winds setting in over the north of Italy and the extreme south of France. Barometer highest, 30.1 ins. and upwards in an anticyclone of very irregular form spreading in from the Atlantic over Ireland, the Bay of Biscay, the northern parts of the Spanish Peninsula, and the southern parts of France and Germany. Lowest, 29.5 ins. and less in a large depression over the northern parts of Russia, 29.9 ins. and less in a small shallow system off the south-east of England. Latter system moving away to the eastward later, but barometer beginning to fall again in the west and north of our Islands.

Tuesday, 31st July.

Temperature and Weather.

8 a.m.

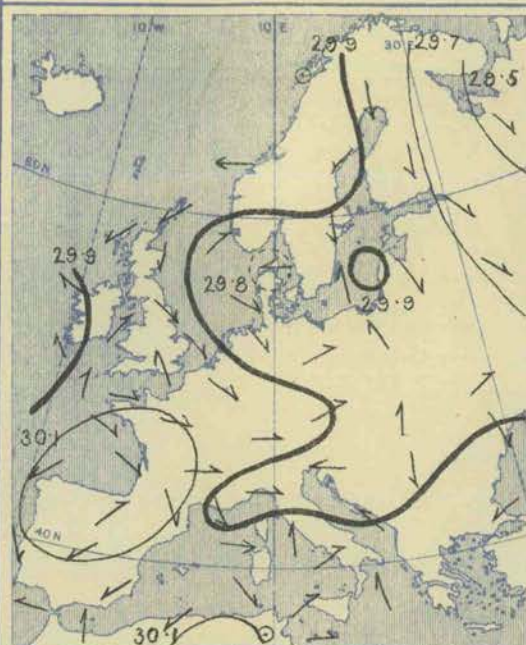


Weather in morning dull over the greater part of the United Kingdom, with mist at several of the English stations, and with rain in the west and south of Ireland. Fine over a considerable portion of the Continent, but dull over Belgium and eastern and southern Germany, with rain at Brussels, Berlin, and Prague. Rain setting in later over all the more western parts of our Islands; solar halos seen in the south of England. Thunderstorm occurring at Berlin, and lightning seen at Malin Head at night.

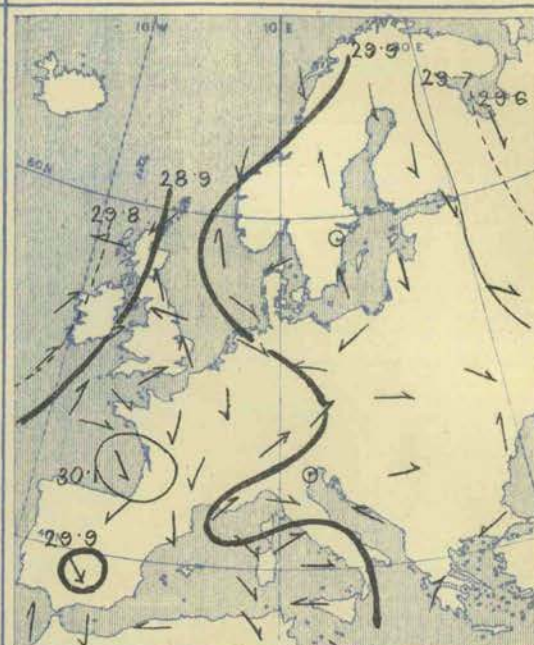
Temperature risen a little over southern Europe and the Mediterranean, but changed irregularly elsewhere. Morning readings highest, 86° at Brindisi, 85° at Athens, and 81° at Trieste and Patras; above 70° in most parts of south-eastern and southern Europe. Lowest, (1) 44° at Archangel, and 50° at Bodö and Kuopio; (2) 54° at York, 55° at Wick, and 56° at Aberdeen. Daily maxima below 65° at several of our own western, northern, and eastern coast stations, but thermometer exceeding 75° over the inland parts of England, and exceeding 80° in most parts of southern Europe, the highest reading of all being 93° at San Fernando.

Barometer and Wind.

8 a.m.



6 p.m.



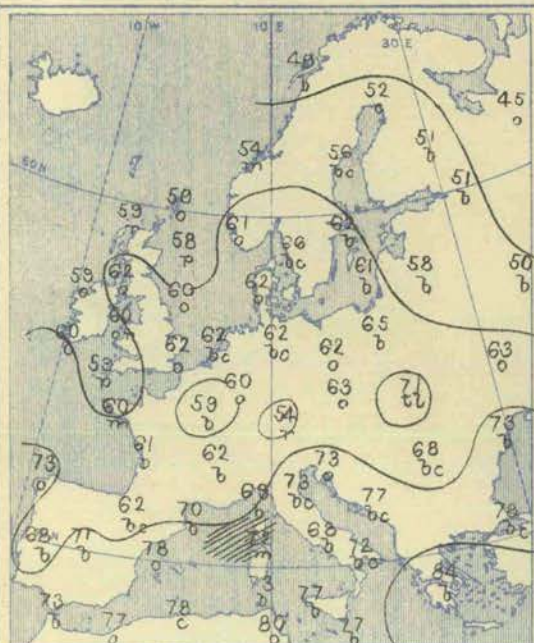
Wind light from the Southward in the west of our Islands, but from the Eastward or North-Eastward in the north. Light to moderate from the Westward or North-Westward in the south and south-east of England, as well as in France, the Netherlands, Denmark, and the greater part of Germany. Northerly or North-Westerly over Scandinavia, Russia, and Austria; Southerly (South-East to South-West) in Italy, North-Easterly in Spain; variable in Algeria. Subsequently backing to the South-Westward or Southward in the south and south-east of England. No important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in an anticyclone lying over the Bay of Biscay, the north of Spain, and the greater part of France, as well as in another system over Algeria; 30.0 ins. and upwards in a large area off the west of Norway, and also in a smaller one over the north of Scotland. Lowest, 29.5 ins. and less in a depression over the north of Russia; 29.8 ins. and less in two small disturbances over Denmark and north Germany; 29.9 ins. and less in a larger system off the west of Ireland. Irish depression subsequently spreading eastwards, and barometer falling slowly in all parts of the United Kingdom.

Wednesday, August 1st.

Temperature and Weather.

8 a.m.

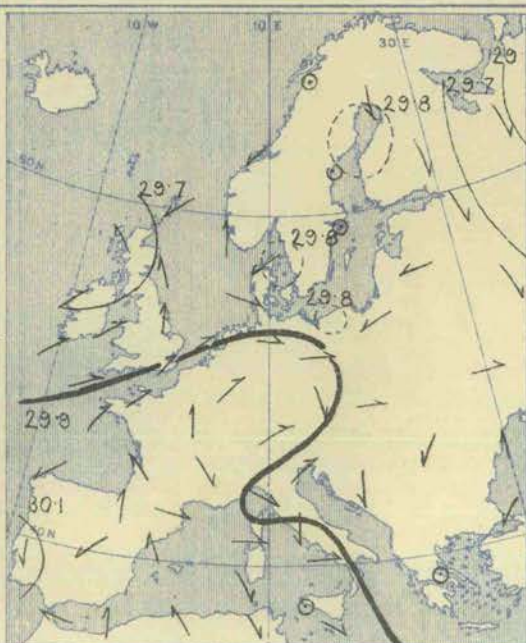


Weather in morning dull over the United Kingdom and its immediate neighbourhood, with rain at several of our western and southern stations. Fine over the greater part of the Continent, but overcast in Denmark and Germany, as well as in Algeria. A little rain falling during day in most parts of our Islands and also in Denmark, Germany, and the north of France.

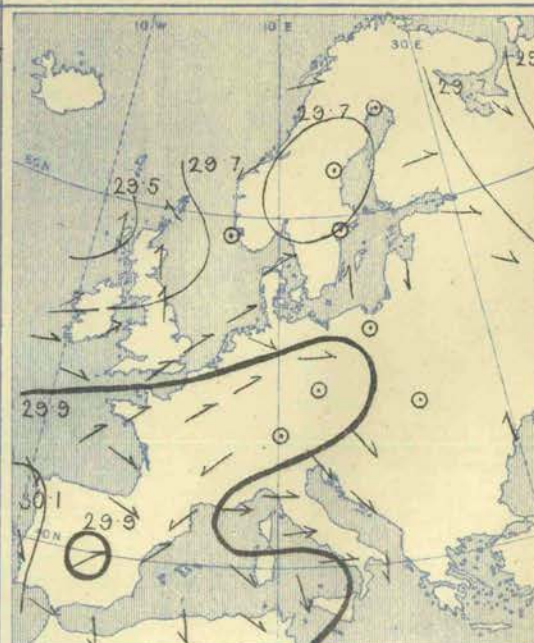
Temperature changed little and irregularly. Morning readings highest, 84° at Athens, 82° at Patras, 81° at Sfax, and 80° at La Calle; above 70° in most parts of southern and south-eastern Europe. Lowest, (1) 45° at Archangel, 49° at Bodö, and 50° at Moscow; (2) 54° at Munich; (3) 58° at Wick and Aberdeen. Daily maxima below 65° at several of the coast stations in our Islands, but thermometer rising to 70° or more in some parts of our eastern and central districts. Exceeding 80° over southern Europe generally, the highest readings of all being 95° at Madrid and 90° at Brindisi and Palermo.

Barometer and Wind.

8 a.m.



6 p.m.



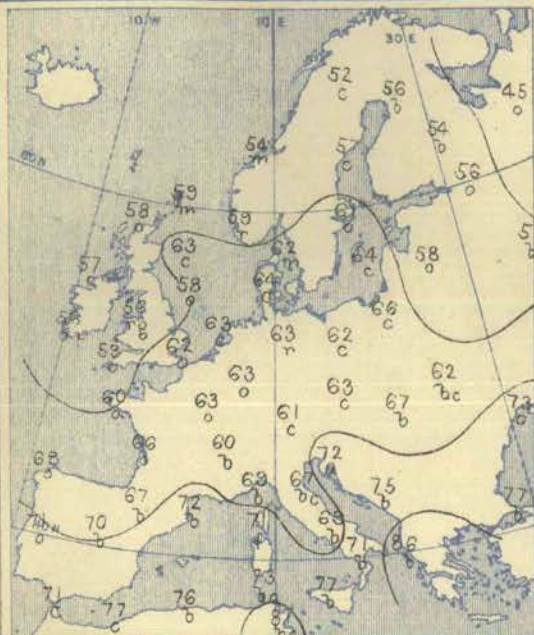
Wind light to moderate from the Southward over the western and southern parts of the United Kingdom, as well as in the Netherlands and the north of France; light from the South-Eastward on our northern and north-eastern coasts; variable over Scandinavia and the Baltic; light from the North-Westward over Russia and also in Italy, but variable in Austria; Northerly or North-Easterly over the Spanish Peninsula. Subsequently veering to the Westward in the south-west of our Islands and to the Southward in Scotland; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in Portugal; 30.0 ins. and upwards in a large anticyclone covering the Bay of Biscay, France, Spain, and the western parts of the Mediterranean. Lowest, 29.6 ins. and less in a depression off the west of Scotland, and also in another disturbance over northern Russia; 29.8 ins. and less in two shallow systems lying respectively over the Sound and over the southern parts of the Baltic. Scotch depression subsequently moving slowly north-eastwards, and barometer rising slightly on our extreme western and south-western coasts.

Thursday, 2nd August.

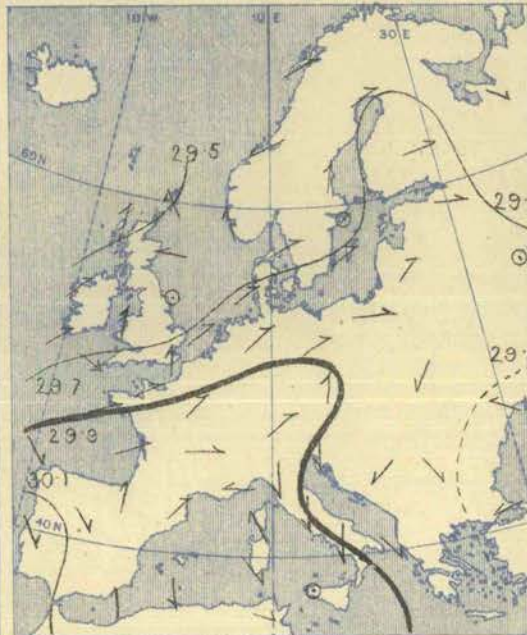
Temperature and Weather.

8 a.m.

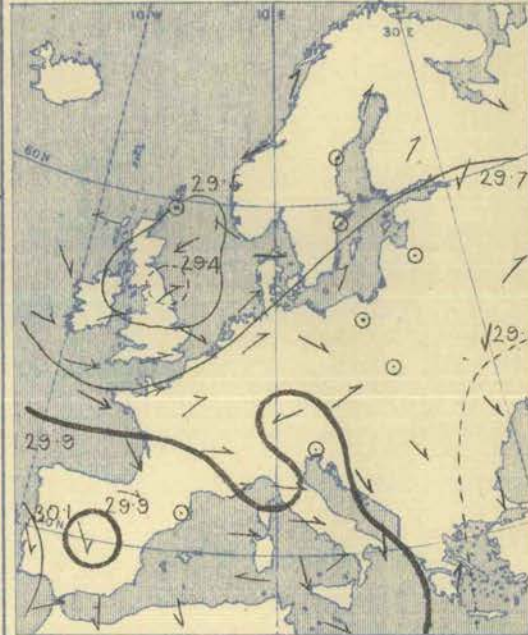


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or overcast in nearly all parts of western and central Europe, with rain at several of our own western stations, as well as at Skudesnaes and Cuxhaven. Fine in Russia, Austria, Italy, central Spain, and the south of France. Rain falling during day over the northern and western countries generally—heavily in Scotland and the north of England. Thunderstorms occurring at Aberdeen, as well as at some of the French stations.

Temperature fallen a little in the west of our islands, as well as in most parts of southern Europe, changed irregularly elsewhere. Morning readings highest, 86° at Brindisi, 81° at Barcelona and Tunis, and 80° at Sfax; above 70° over the southern and south-eastern countries generally. Lowest, (1) 45° at Archangel, 51° at Moscow, and 52° at Bodø; (2) 54° at Malin Head and 55° at Pembroke; below 60° on most parts of our western and northern coasts. Rising during day to between 65° and 69° over the eastern, central, and southern parts of England, but remaining below 65° in most other parts of the Kingdom. Exceeding 80° over southern Europe generally, the highest readings of all being 93° at Madrid, and 91° at Gap and Croisette.

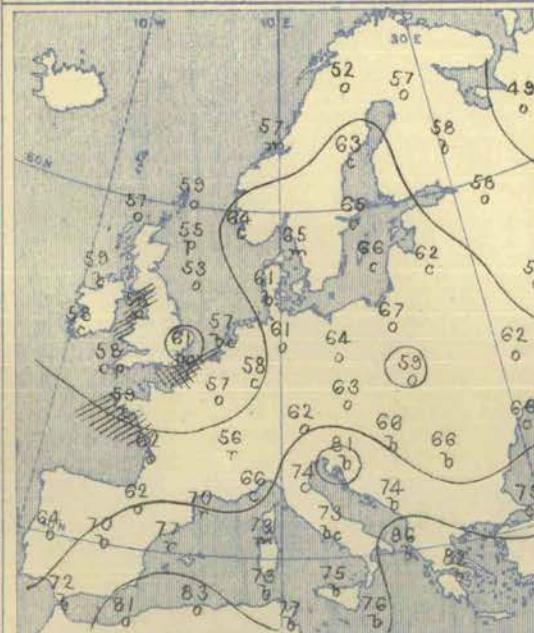
Wind light from the Southward over the northern and central parts of Great Britain; moderate from the South-West on our western and southern coasts, as well as over Denmark, Germany, the Netherlands, and the greater part of France. Light from the Southward in Sweden; variable in the west of Norway, Northerly or North-Westerly in Spain and Italy; variable in Algeria and the south of France. Subsequently increasing to a strong breeze from the Westward at some of the Channel stations; shifting to the North-Westward in Ireland, and to the North-Eastward in Scotland.

Barometer highest, 30.1 ins. and upwards in Portugal; 30.0 ins. and upwards over Algeria and also in a long and narrow band extending from Portugal across France to southern Germany. Lowest, 29.5 ins. and less in a shallow depression off the north of Scotland; 29.6 ins. and less in another system over northern Russia; 29.8 ins. and less in a third over Turkey, the Black Sea, and the south of Russia. New depression forming later over the north of England and the south of Scotland, and moving slowly eastwards to our north-east coasts. Barometer falling decidedly over the eastern parts of Great Britain.

Friday, 3rd August.

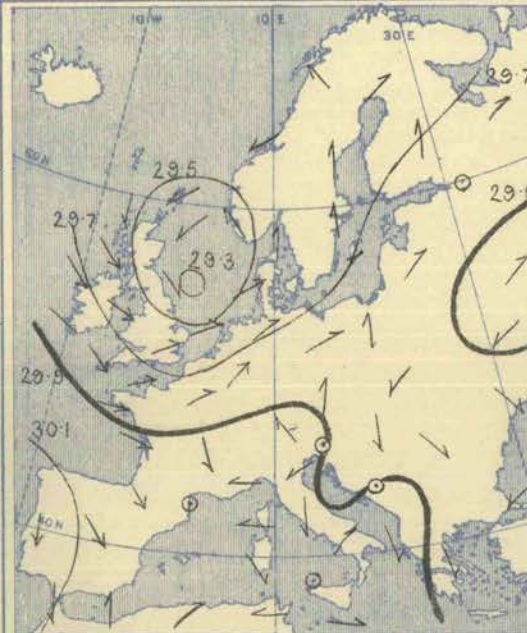
Temperature and Weather.

8 a.m.

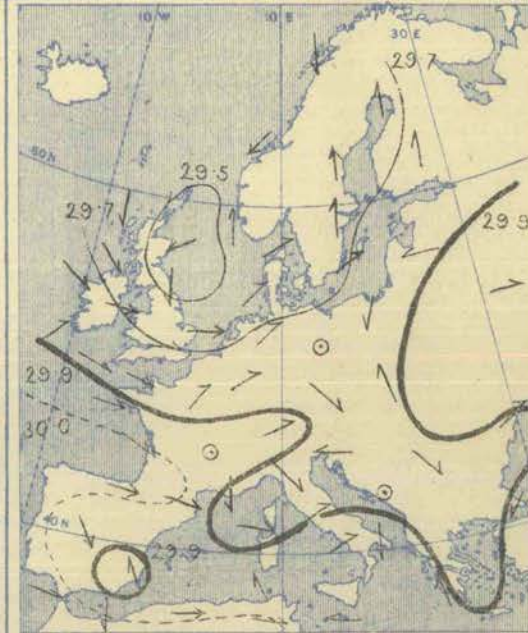


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning rainy in the east of Scotland; fair in most other parts of the United Kingdom, but showery in places. Cloudy or overcast in most of the western, northern, and central parts of the Continent, with rain at Copenhagen. Fine over the southern countries generally, but rainy in the south of France and the north-east of Spain. A little rain falling during day over the northern parts of our islands generally, and large quantities in many of the neighbouring parts of the Continent, with thunderstorms at the Helder, Nice, and Perpignan.

Temperature risen a little in the west of our Islands, as well as in Scandinavia and Russia, fallen in most other localities. Morning readings highest, 86° at Brindisi, 83° at Algiers, and 82° at Athens; above 70° over southern Europe generally, and above 65° in the south of Scandinavia. Lowest, (1) 49° at Archangel, and 53° at Bodø; (2) 53° at Leith and Shields, and 55° at Aberdeen. Rising during day to between 65° and 71° in the eastern, central, and southern parts of Great Britain; exceeding 80° over southern Europe generally, and reaching 93° at Pesaro, and 90° at Alicante.

Wind moderate to strong from the North-Westward over the western part of our Islands, from the Westward over the Channel and Bay of Biscay, and from the South-Westward over the east of England, the Netherlands, Germany, and Denmark; light from the Southward over Sweden and the Baltic. Variable in the east of Scotland, and also over the greater part of southern and south-eastern Europe, but North-Westerly or Westerly in Spain. Subsequently backing to the South-West in the south of Ireland; strong Southerly winds setting in at some of the Scandinavian stations.

Barometer highest, 30.1 ins. and upwards in an anticyclone extending from the Atlantic over the south-western parts of the Spanish Peninsula; 29.9 ins. and upwards over central Russia. Lowest, 29.3 ins. and less in a well marked depression lying off the north-east of England. Depression moving eastwards during day, and partially filling up, but new disturbances beginning to approach Ireland in evening.

Saturday, 4th August.

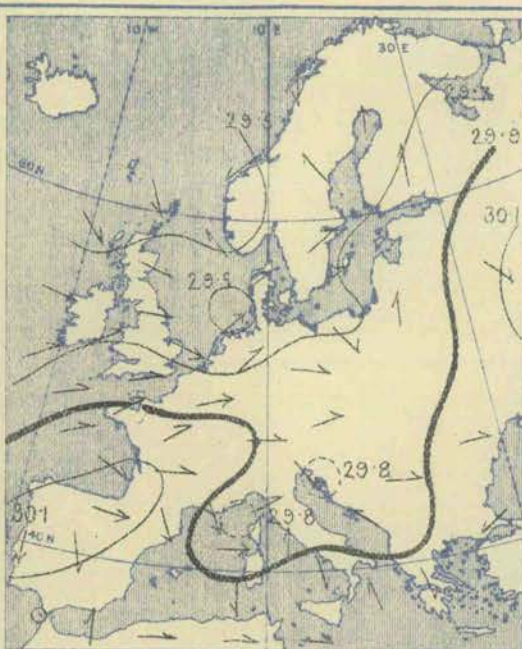
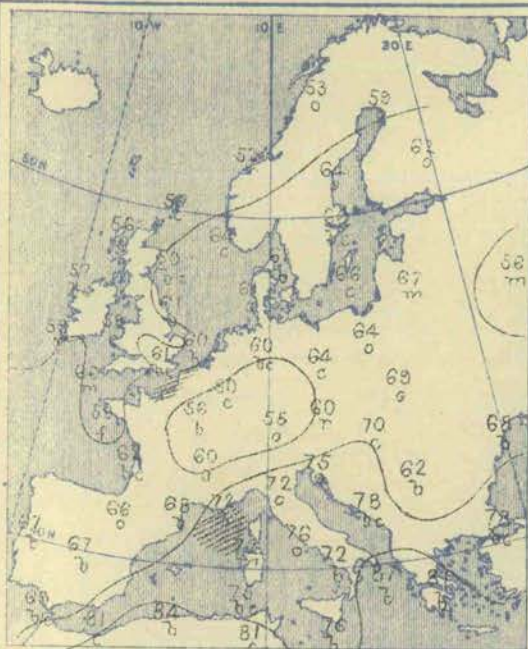
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 32.]
Third Series.

WEEK ENDING SATURDAY, AUGUST 11TH, 1894.

[Price 6d.
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 188.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	69	41	61.6	50.5	55.7	1 above	Day-deg. 96	Day-deg. +14	Day-deg. 0	Day-deg. 0	Day-deg. 1439	Day-deg. +3.5	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	71	42	65.0	49.7	56.9	0 (average)	104	0	0	0	1502	+ 40	581	+ 8
	2. ENGLAND, N.E.	70	46	65.5	52.2	58.5	0 (average)	116	+ 3	0	0	1639	+106	455	- 51
	3. ENGLAND, EAST.	72	46	67.6	53.7	60.2	1 below	127	+ 3	0	0	1833	+124	471	-100
	4. MIDLAND COUNTIES.	72	41	65.8	50.7	57.8	2 below	111	- 9	0	0	1936	+133	483	- 79
5. ENGLAND, SOUTH	73	48	67.0	55.3	60.8	1 below	132	0	0	0	2082	+138	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	45	62.5	51.5	56.7	1 below	103	+ 1	0	0	1616	+101	345	- 69
	7. ENGLAND, N.W.	68	50	63.2	53.9	58.3	1 below	114	+ 1	0	0	1830	+208	302	-120
	8. ENGLAND, S.W.	69	42	63.5	52.3	57.8	2 below	111	- 8	0	0	1940	+138	236	- 81
	9. IRELAND, NORTH	69	45	62.8	51.8	56.9	1 below	104	- 1	0	0	1708	+ 84	334	- 33
	10. IRELAND, SOUTH	68	45	63.5	52.6	57.7	1 below	110	- 4	0	0	1969	+128	217	- 67
	—CHANNEL ISLANDS	69	55	64.3	56.7	60.3	2 below	128	- 4	0	0	2229	+227	94	- 18

DISTRICTS. (See p. 188.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	17	8 more	143	- 3	34.5	+ 7.2	17	- 1	15	- 2	845	+156	35	+ 5
	1. SCOTLAND, EAST	5	10	3 more	130	+12	23.9	+ 5.9	55	+ 6	33	+ 5	946	+ 54	35	+ 2
	2. ENGLAND, N.E.	5	7	1 more	129	+20	16.1	+ 1.2	25	-19	23	- 10	968	+114	33	+ 3
	3. ENGLAND, EAST.	6	6	0 (average)	122	+10	15.5	+ 0.7	32	- 9	31	- 9	1068	+ 9	33	0
	4. MIDLAND COUNTIES.	6	5	1 less	124	+18	15.3	- 1.1	29	-10	27	- 10	986	+ 56	33	+ 1
5. ENGLAND, SOUTH	5	6	0 (average)	120	+18	17.5	+ 2.1	32	-12	31	- 12	1139	+ 39	37	+ 1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	10	0 (average)	141	+15	32.5	+ 4.3	25	+ 1	33	+ 1	977	+ 23	33	+ 1
	7. ENGLAND, N.W.	5	7	1 less	137	+23	22.0	+ 3.2	23	-11	22	- 10	925	+ 69	34	+ 2
	8. ENGLAND, S.W.	5	6	2 less	138	+21	23.8	+ 1.5	34	-13	32	- 14	1139	+ 7	38	0
	9. IRELAND, NORTH	6	9	1 more	153	+18	25.7	+ 5.2	30	+ 1	28	+ 1	901	+ 35	31	+ 1
	10. IRELAND, SOUTH	4	7	1 less	144	+20	26.1	+ 3.7	32	- 3	30	- 4	971	- 41	33	- 1
	—CHANNEL ISLANDS	4	14	9 more	140	+15	22.7	+ 4.8	45	- 8	44	- 8	1228	- 61	42	- 2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued very unseasonable generally, although, during the latter half of the week, it improved somewhat in the more south-western parts of the Kingdom. Rain fell very frequently, heavily in places. Thunderstorms were experienced in many of the English and Scotch districts, principally on the 9th or 10th.

Temperature was again a little above the mean in Scotland N., and just equalled it in Scotland E. and England N.E. Elsewhere it was below, the deficit being 1° or 2°. The highest of the maxima, which occurred during the earlier half of the week, ranged from 73° in England S. to 67° in Scotland W. The lowest of the minima were registered on rather irregular dates, and ranged from 41° in Scotland N. and the Midland Counties, to 50° in England N.W., and to 55° in the Channel Islands.

Rainfall exceeded the mean in Scotland N. and E., England N.E., Ireland N., and the Channel Islands, the excess in the first and last-named districts being large. Elsewhere the fall was either equal to or slightly less than the normal.

Bright Sunshine was again very deficient generally, but slightly exceeded the mean in Scotland E. and W., as well as in Ireland N. The percentage of the possible duration ranged from 44 in the Channel Islands, and 33 in Scotland E. and W., to 23 in England N.W., and to 15 in Scotland N.

Barometer and Wind.—During the earlier days of the week, depressions, moving north-eastwards, skirted our extreme western and northern coasts, the weather in the south being influenced at the same time by a small shallow system moving eastwards up the Channel. During the night of the 8th-9th a well-formed disturbance travelled eastwards over the north of Scotland, and the wind, which had previously blown from the Southward or South-Westward, veered to the North-Westward and increased somewhat in force. By the end of the period, the barometer was falling again in the west and north, and the wind was backing to the Westward or South-Westward.

II.—DATA from which the SUMMARY on page 187 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of pos- sible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	63	49	61.3	50.0	55.3	+ 2.4	93	0	3	0.54	- 0.14	*	*	*
	Stornoway	61	52	59.9	53.0	56.2	+ 1.6	99	0	7	1.58	+ 0.78	26.7	- 1.0	24
	Wick	69	45	62.3	50.1	55.8	+ 0.9	97	0	5	0.89	+ 0.30	*	*	*
	Laing	66	43	64.9	49.0	56.5	+ 1.5	102	0	4	1.23	+ 0.54	*	*	*
	Glencarron	64	47	60.2	49.7	54.6	+ 0.2	88	0	7	2.81	+ 1.32	*	*	*
	Fort Augustus	66	41	62.2	49.5	55.5	- 0.8	95	0	7	2.90	+ 1.31	6.1	?	8
1. SCOTLAND, E.	Fort William	66	51	60.7	52.1	56.1	- 0.4	99	0	7	2.59	+ 1.29	14.6	?	13
	Nairn	68	43	64.6	48.9	56.3	- 0.7	100	0	6	1.14	+ 0.50	*	*	*
	Aberdeen	66	48	64.7	50.7	57.3	+ 0.6	107	0	6	1.23	+ 0.53	42.2	+ 6.3	39
	Braemar	65	42	61.6	46.9	53.8	- 0.5	83	0	7	1.22	+ 0.42	26.8	?	25
	Ochertyre	71	45	67.0	50.3	58.2	+ 1.4	113	0	5	0.75	- 0.05	*	*	*
	Leith	71	49	67.6	52.0	59.3	+ 0.7	121	0	4	0.32	- 0.25	*	*	*
2. ENGLAND, N.E.	Marchmont	67	45	64.7	49.4	56.6	+ 0.1	102	0	4	1.22	+ 0.42	39.3	?	37
	Alnwick Castle	67	47	64.1	52.6	58.0	+ 0.7	112	0	6	1.02	+ 0.31	*	*	*
	Durham	70	46	66.8	50.3	58.1	- 0.5	113	0	4	0.58	- 0.14	30.3	- 5.4	28
	Shields	69	47	65.4	52.0	58.3	+ 0.3	114	0	4	1.09	+ 0.39	*	*	*
	Scarborough	68	50	65.7	52.6	58.8	- 0.1	118	0	5	1.00	+ 0.33	*	*	*
	York	68	47	66.0	51.4	58.3	- 1.1	114	0	3	0.40	- 0.18	19.0	- 13.2	18
3. ENGLAND, E.	Spurn Head	68	51	64.9	54.4	59.3	- 0.4	121	0	6	0.31	- 0.11	*	*	*
	Hillington	72	48	68.7	53.2	60.5	- 0.1	130	0	5	0.70	+ 0.03	31.1	- 10.1	30
	Yarmouth	70	55	66.3	56.1	60.9	0.0	132	0	5	0.31	- 0.29	*	*	*
	Geldeston	71	46	68.1	53.4	60.2	- 0.3	128	0	6	0.43	- 0.02	32.8	- 11.8	32
	Cambridge	72	49	68.6	52.7	60.2	- 1.3	127	0	7	0.74	+ 0.24	35.8	- 5.3	34
	Rothamsted	69	49	66.2	53.1	59.3	- 1.1	121	0	6	0.76	+ 0.18	27.4	?	26
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall)	69	43	66.6	50.3	58.0	- 1.6	112	0	5	0.46	- 0.12	*	*	*
	Loughborough	70	41	67.1	51.7	58.9	- 2.1	118	0	6	0.70	+ 0.13	*	*	*
	Stamford (Ketton Hall)	71	42	68.3	51.1	59.2	- 1.8	120	0	6	0.60	+ 0.12	*	*	*
	Cheadle	66	47	63.1	50.4	56.4	- 1.2	101	0	7	0.55	- 0.22	*	*	*
	Churchstoke	66	44	63.5	48.5	55.6	- 1.3	95	0	4	0.75	+ 0.10	32.5	- 6.0	31
	Hereford	72	44	67.0	50.7	58.4	- 1.9	115	0	5	0.23	- 0.33	*	*	*
5. ENGLAND, S.	Cirencester	68	42	64.6	49.7	56.9	- 2.3	104	0	7	0.64	- 0.08	26.0	- 13.8	26
	Oxford	68	48	66.0	52.9	59.1	- 1.8	120	0	5	0.50	- 0.05	34.0	- 8.1	33
	London	73	52	68.6	55.1	61.5	- 0.8	137	0	3	0.65	+ 0.15	28.2	- 10.2	27
	North Foreland	72	54	67.1	56.6	61.5	+ 0.3	137	0	5	1.20	?	*	*	*
	Strathfield Turgiss	70	49	68.9	53.2	60.6	- 0.6	130	0	6	0.29	- 0.21	*	*	*
	Dungeness	71	52	66.7	57.3	61.7	- 0.4	138	0	6	0.47	0.00	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	68	53	65.6	46.2	60.6	- 1.7	130	0	7	0.87	+ 0.32	32.2	- 15.2	31
	Southampton	72	51	69.0	55.1	61.6	- 0.4	137	0	5	0.37	- 0.26	36.4	- 10.3	35
	Hurst Castle	72	52	66.9	56.6	61.4	- 0.6	136	0	2	0.05	- 0.45	*	*	*
	Stowell	66	48	63.4	52.1	57.4	- 2.2	108	0	5	0.61	?	*	*	*
	Laudale (Loch Sunart)	63	51	61.2	53.3	57.0	+ 0.1	105	0	6	2.35	+ 1.45	*	*	*
	Glasgow	66	49	62.7	51.3	56.7	- 0.2	103	0	6	0.68	- 0.19	34.2	+ 5.0	32
7. ENGLAND, N.W.	Ardrossan	67	49	62.0	53.1	57.3	- 0.8	107	0	4	0.39	- 0.43	*	*	*
	Glenlee	66	45	63.7	43.9	55.9	- 0.6	97	0	4	0.57	- 0.50	*	*	*
	Douglas (Isle of Man)	66	45	62.8	50.8	56.4	- 0.8	101	0	5	0.61	- 0.19	35.2	- 4.1	33
	Stonyhurst	64	50	62.1	52.2	56.9	- 1.7	104	0	7	1.48	+ 0.39	23.5	- 10.5	22
	Blackpool	68	53	65.3	55.0	59.8	+ 0.1	125	0	4	0.93	+ 0.18	27.5	- 9.6	26
	Manchester (Prestwich)	66	50	63.1	53.4	58.0	- 0.6	112	0	6	0.78	- 0.11	21.3	?	21
8. ENGLAND, S.W.	Liverpool Obs. (Bidston)	67	52	64.3	54.3	59.0	- 0.9	119	0	3	0.16	- 0.52	*	*	*
	Llandudno	66	54	63.3	55.0	58.9	- 1.3	118	0	5	0.62	+ 0.09	23.8	- 11.7	23
	Holyhead	63	52	61.3	53.3	57.1	- 2.4	106	0	4	0.22	- 0.49	*	*	*
	Llandovery	69	42	65.1	49.1	56.3	- 2.7	102	0	7	0.87	- 0.15	*	*	*
	Pembroke	62	54	60.7	55.3	57.8	- 1.5	111	0	3	0.26	- 0.36	39.9	- 5.9	38
	Bristol (Montpelier)	69	49	66.5	53.7	59.7	- 0.6	124	0	6	0.70	- 0.08	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	64	47	62.1	51.1	56.3	- 2.1	100	0	6	1.06	- 0.09	*	*	*
	Cullompton	69	45	65.1	52.1	58.2	- 1.2	113	0	5	0.69	+ 0.05	19.6	- 21.4	19
	Falmouth	66	52	63.3	54.0	58.4	- 1.8	115	0	4	0.80	- 0.04	37.1	- 9.2	36
	Plymouth	64	50	63.3	53.2	58.0	- 3.5	112	0	5	0.40	- 0.29	23.8	- 14.8	23
	Prawle Point	67	50	61.6	53.6	57.4	- 2.3	108	0	5	0.28	- 0.24	*	*	*
	Malin Head	62	51	60.4	53.3	56.6	- 1.1	102	0	7	0.94	?	*	*	*
10. IRELAND, S.	Londonderry	65	48	64.5	52.0	57.3	- 0.1	111	0	7	0.86	- 0.02	*	*	*
	Edenfel (Omagh)	64	47	61.9	51.3	56.1	- 0.9	99	0	6	0.96	+ 0.16	*	*	*
	Belmullet	62	53	60.7	54.1	57.2	- 1.8	106	0	7	0.76	?	*	*	*
	Markree Castle	67	45	63.2	50.5	56.5	- 0.2	102	0	7	0.82	+ 0.05	26.6	- 2.6	25
	Brookeborough	66	48	62.8	50.2	56.1	- 1.0	99	0	6	1.40	+ 0.55	*	*	*
	Armagh	66	47	63.3	50.0	56.3	- 1.3	100	0	6	0.57	- 0.13	32.0	+ 5.2	30
CHANNEL ISLANDS.	Donaghadee	69	53	65.1	54.4	59.4	+ 2.4	122	0	5	0.57	- 0.17	*	*	*
	Edgeworthstown	66	46	62.9	50.6	56.4	- 0.9	101	0	6	1.02	+ 0.19	*	*	*
	Dublin	68	50	65.0	52.5	58.4	- 1.2	115	0	4	0.81	+ 0.20	37.5	+ 1.3	36
	Parsonstown	66	47	63.3	50.1	56.3	- 2.3	100	0	5	0.42	- 0.33	23.1	- 9.9	22
	Kilkenny	67	45	64.6	50.3	57.0	- 1.5	105	0	4	0.78	+ 0.08	*	*	*
	Waterford	68	50	64.3	54.1	58.9	- 1.0	118	0	1	0.25	- 0.55	*	*	*
CHANNEL ISLANDS.	Roche's Point	64	52	62.0	54.0	57.8	- 1.3	111	0	5	1.18	+ 0.18	34.6	- 1.4	33
	Valencia	63	50	61.5	54.7	57.9	- 0.3	111	0	5	0.79	?	*	*	*
CHANNEL ISLANDS.	Killarney	66	55	63.3	55.7	59.3	- 1.4	121	0	4	0.89	+ 0.34	43.8	?	43
	Foynes	69	55	65.3	57.7	61.3	- 1.5	135	0	4	1.97	+ 1.49	47.0	- 8.0	46

Stations marked $\mathcal{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

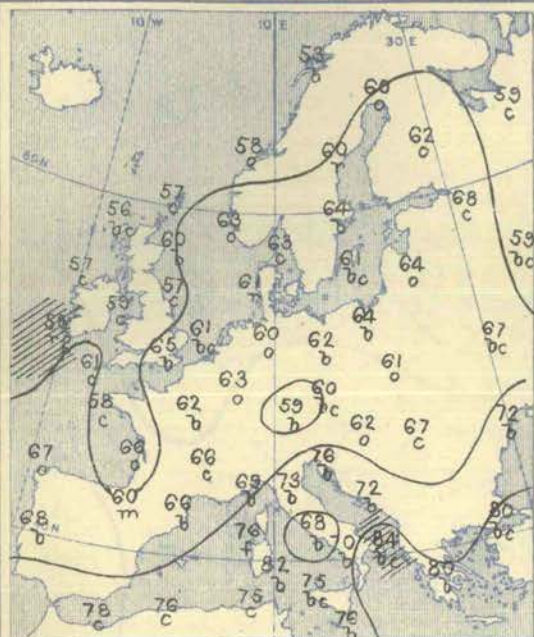
* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 5th August.

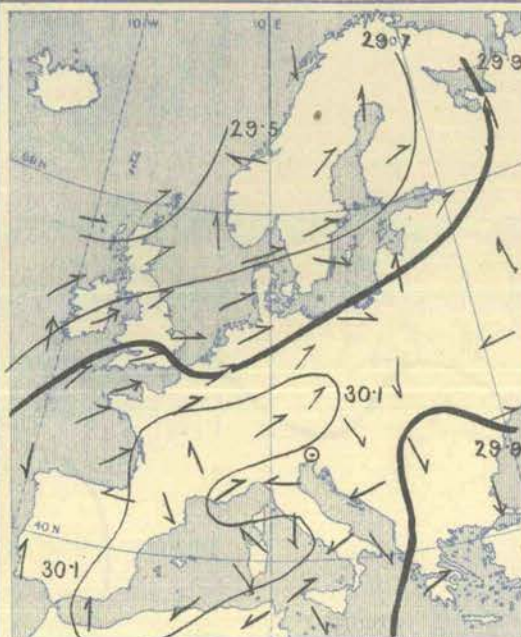
Temperature and Weather.

8 a.m.

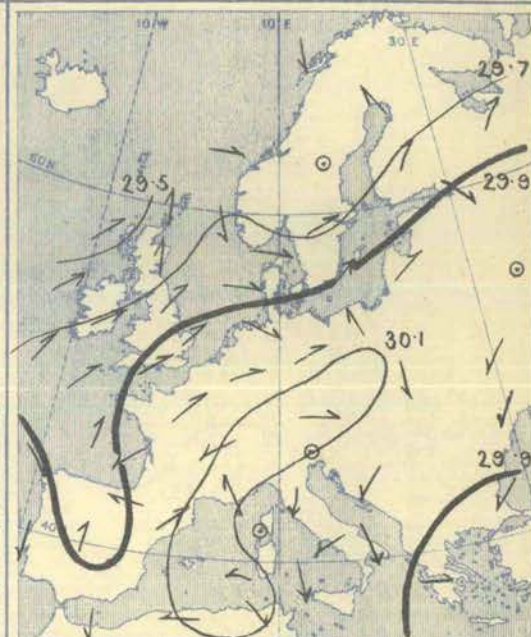


Barometer and Wind.

8 a.m.



6 p.m.



Weather fair or fine over the greater part of the United Kingdom, but rainy at Valencia (Ireland). Fine in most of the central, southern, and eastern parts of the Continent, but dull in the Netherlands and the west of France, as well as at many of the Scandinavian, Danish, and Baltic stations, with rain at Hernösand, Fano, and Memel. Showers falling during day at many of our own western and northern stations, as well as in Scandinavia and northern Russia; rain setting in at night over the south of England and north of France.

Temperature fallen in Sweden, as well as in many parts of southern Europe, but changed irregularly elsewhere. Morning readings highest, 84° at Brindisi, 82° at Cagliari, and 80° at Athens, Patras, and Constantinople; above 70° over southern Europe generally, and as high as 68° at St. Petersburg. Lowest, 53° at Ardrossan, Malin Head, and Parsonstown, and 56° at Stornoway. Daily maxima below 65° on most parts of our western and extreme northern coasts, but thermometer rising to 70° or more over the central and southern parts of England. Exceeding 80° in most parts of southern Europe, the highest readings of all being 98° at Madrid and 95° at Bilbao.

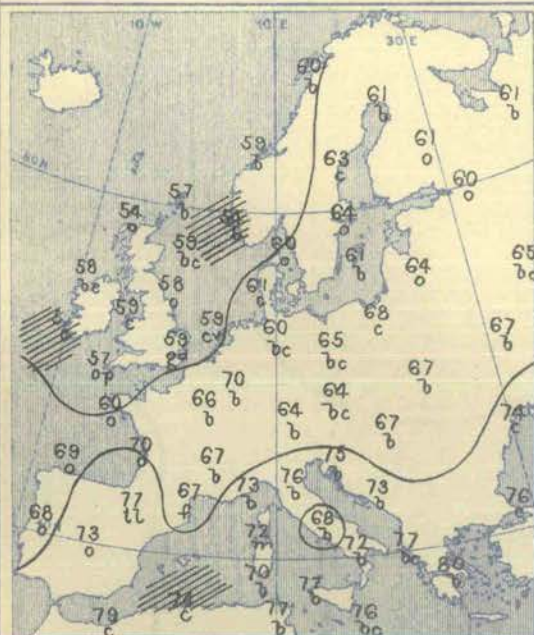
Wind light to fresh from the South-Westward over the greater part of north-western, northern, and central Europe, but Southerly in the west and north of Ireland. Variable in Spain and the south of France; light from between North-East and North-West over Italy, Austria, and the south of Russia. Subsequently veering to the South-Westward in the west of Ireland, but backing to the Southward in the south of England, and to the Eastward in the south-west of France.

Barometer highest, 30.1 ins. and upwards over central Russia, and also in a large anticyclone covering south Germany, Switzerland, northern Italy, the central and southern parts of France, and the western parts of the Mediterranean. Lowest, 29.5 ins. and less in a large depression lying to the northward of our Islands. New depression passing northwards along our extreme western coasts during day; shallow secondary disturbance appearing over Spain in evening and advancing slowly over the Bay of Biscay.

Monday, 6th August.

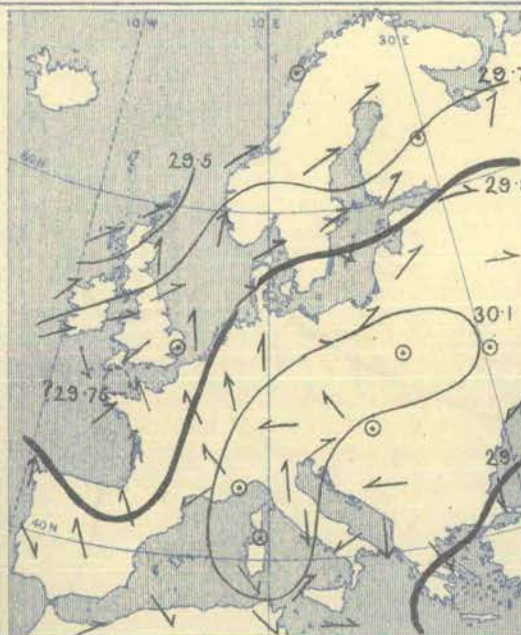
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.



Weather dull and showery over the greater part of England, but fine at most of the Irish and Scotch stations. Dull in Spain and the west of France, as well as in many parts of northern Europe, with a thunderstorm at Biarritz, and with thunder only at Skudesnaes; fine and bright in most other parts of the Continent. Heavy rain falling during day in the Channel Islands, as well as in several parts of Denmark and the Netherlands; thunderstorms occurring over France, Holland, Denmark, north Germany, and the extreme south-east of England, as well as at Laghouat.

Temperature fallen slightly over Great Britain, but risen in most other countries. Morning readings highest, 81° at Barcelona, 80° at Patras, and 79° at Oran; above 70° in most of the southern countries, and just reaching that point at Brussels. Lowest, 54° at Skudesnaes and Stornoway, 55° at Malin Head and Loughborough, and 56° at Spurn Head, Ardrossan, and Parsonstown. Thermometer rising later to between 65° and 70° in many parts of our Islands, and reaching 73° at Hurst Castle. Exceeding 80° in France and Germany and southern Europe generally, the highest reading of all being 90° at Gan and Brindisi.

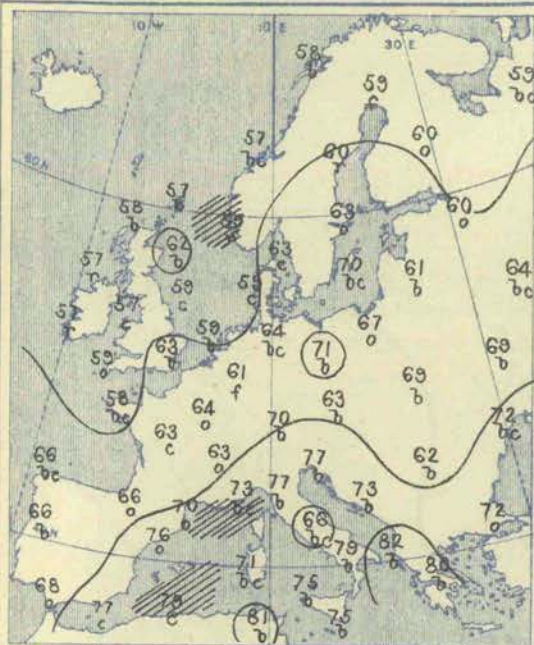
Wind light to fresh from the South-Westward over Ireland, Wales, and the west of Scotland, light from the Southward in all the more eastern parts of the United Kingdom, and from the same quarter or from South-East over France, the Netherlands, and western Germany. Light South-Westward over the greater part of northern Europe, but strong from the Westward in the south of Scandinavia, with a gale at Carlstadt. Variable over the southern countries and the Mediterranean. Subsequently shifting to the North-Eastward in the extreme south-east of England, no important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.2 ins. in a large anticyclone covering the greater part of central Europe, and extending southwards over the central parts of the Mediterranean, as well as in a smaller system to the north-east of Kharkov. Lowest, 29.5 ins. and less in a depression over the north and north-west of Scotland; 29.6 ins. and less in another disturbance over the north of Scandinavia; 29.75 ins. and less in a small shallow system over the western parts of the English Channel. Channel depression subsequently moving eastwards to the Straits of Dover, barometer rising in most parts of our Islands.

Tuesday, August 7th.

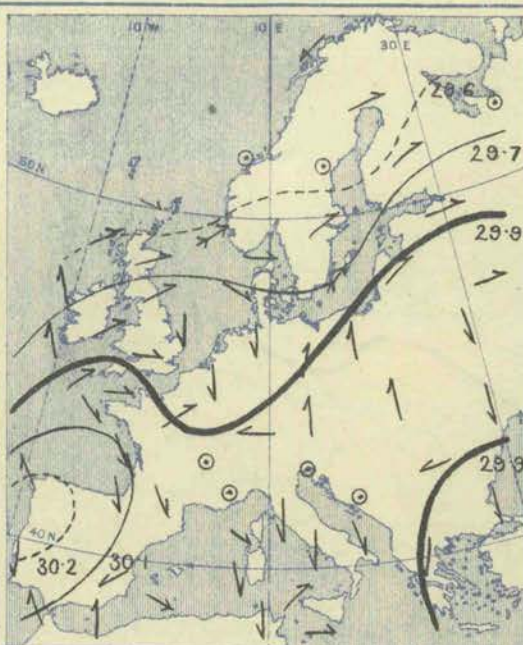
Temperature and Weather.

8 a.m.

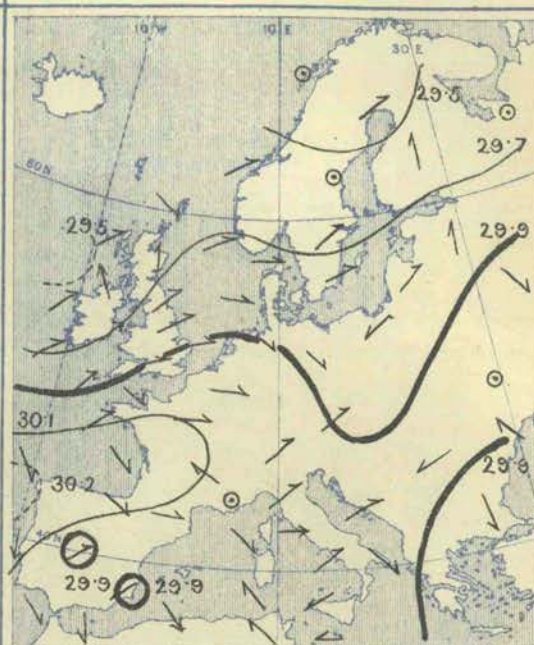


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in most parts of Great Britain, but dull in Ireland, with rain in the west. Cloudy in most of the neighbouring Continental countries, with rain at some of the Scandinavian and Danish stations, but fine over the central, southern, and eastern parts of Europe generally. Dull, showery weather setting in later in most parts of our Islands; thunder heard at Wick and Dungeness and solar halo seen at Jersey. Thunderstorms occurring in Germany, with heavy rain in Berlin.

Temperature changed very irregularly. Morning readings highest, 82° at Brindisi, 81° at La Calle, 80° at Patras, and 79° at Naples, above 70° in many parts of southern and south-eastern Europe, as well as at some of the north German stations. Lowest, 55° at York, Malin Head, Donaghadee, and Parsonstown, and 56° at Ardrossan and Pembroke. Rising during day to between 65° and 70° in most parts of Great Britain, and reaching 73° in London. Exceeding 85° in many parts of central and southern Europe, the highest readings of all being 91° at Madrid and 90° at Florence and Rome.

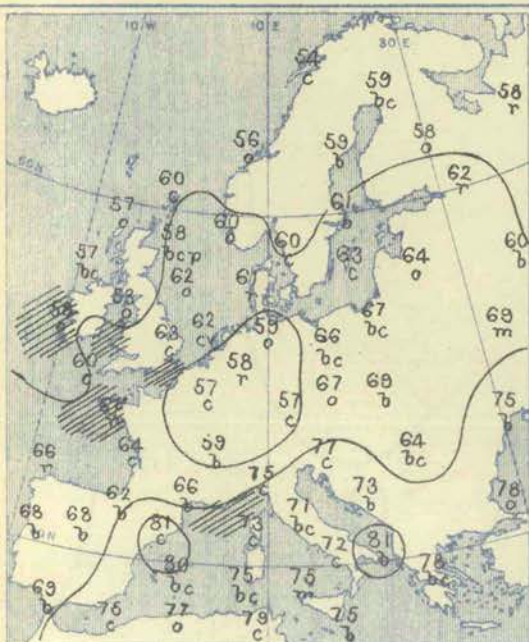
Wind light to moderate from South-West or West in most parts of the United Kingdom, but South-Easterly in the west of Ireland. Light from North over Denmark, the Netherlands, and the extreme south-east of England; moderate from North-West in the west of France. Light to moderate from South over Germany and the Baltic; strong from South-West in the south of Scandinavia, calm or variable over the northern parts of Scandinavia. Light and variable over Austria and the south of Russia; Northerly or North-Westerly in Italy; variable in Spain, Algeria, and the south of France. Subsequently veering to the South-Westward in the west of Ireland.

Barometer highest, 30.10 ins. to 30.25 ins. over the Spanish Peninsula, 30.0 ins. and upwards over a considerable portion of southern and eastern Europe. Lowest, 29.6 ins. and less in a large shallow area lying to the northward of our Islands and over all but the extreme southern parts of Scandinavia; 29.7 ins. and less in a depression approaching the west of Ireland; 29.8 ins. and less over Asia Minor. Depression off the Irish coasts subsequently moving northwards; shallow secondary disturbances advancing north-eastwards across England.

Wednesday, August 8th.

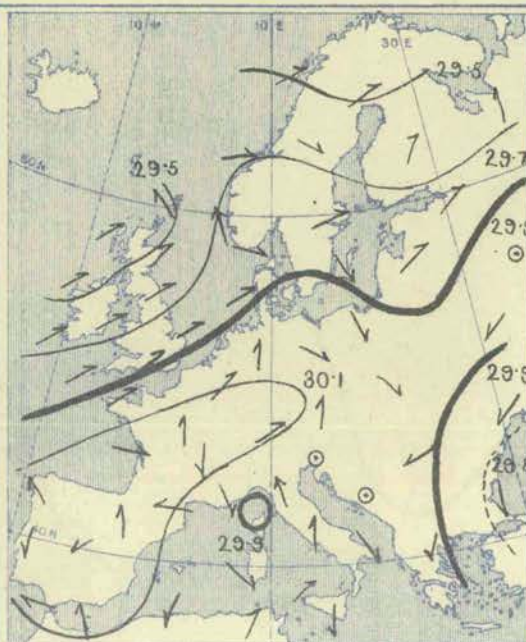
Temperature and Weather.

8 a.m.

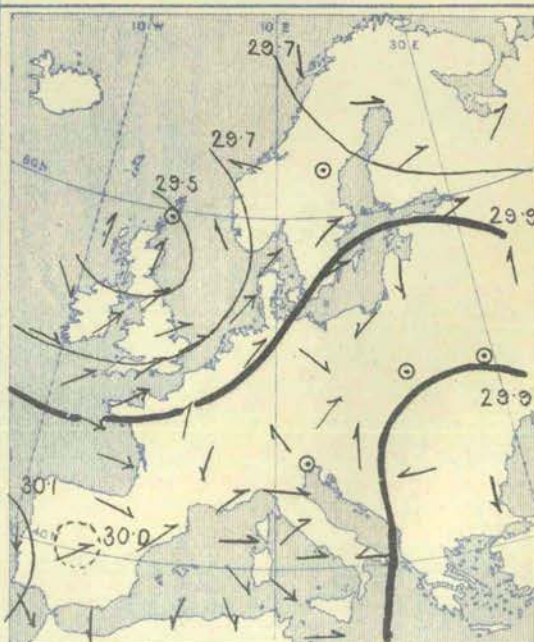


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy and showery over the greater part of north-western and northern Europe, but fine at the Swedish stations. Fine and bright over the central and south-eastern countries generally. Heavy rain falling during day over the Channel Islands and the north of France, with a thunderstorm at Brest; thunderstorms occurring also in the north and east of Scotland and the north-east of England, with heavy rain at Aberdeen.

Temperature risen in our Islands, as well as in Austria and eastern Germany, but fallen in most other countries. Morning readings highest, 81° at Barcelona and Brindisi, 80° at Palma and Sfax, and 79° at La Calle, above 70° over southern and south-eastern Europe generally, and above 65° over the greater part of Germany. Lowest, (1) 54° at Bodø, 56° at Christiansund, and 57° on our own extreme north-west coasts; (2) 67° at Le Mans, Paris, and Munich. Rising during day to between 65° and 70° over the northern, eastern, and central parts of the United Kingdom, but remaining below 65° on many parts of our western and southern coasts. Exceeding 80° over southern Europe generally, the highest reading of all being 92° at Madrid.

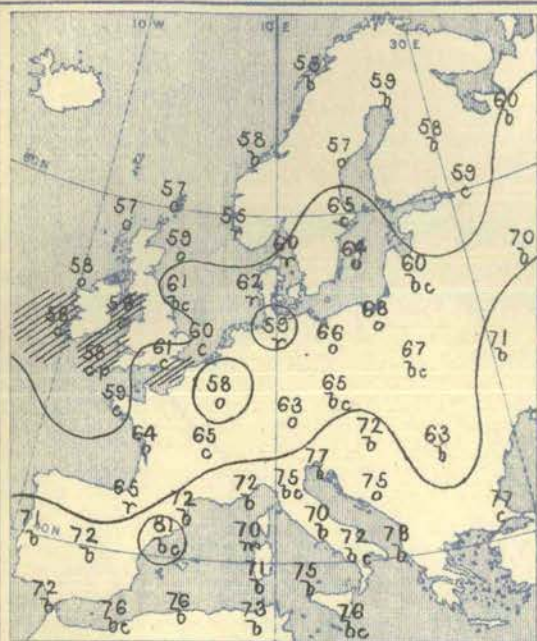
Wind light to fresh from the South-Westward over the greater part of western and northern Europe, but Westerly in Sweden, and North-Westerly over eastern Germany. Light from the North-Eastward in the south of Russia; variable in Austria, Italy, and the south of France, Northerly or North-Easterly in Spain. Subsequently veering to the Westward or North-Westward in Ireland and the west of France; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in an anticyclone extending from the Spanish Peninsula over the greater part of France to south Germany; 30.0 ins. and upwards in another system over central Russia. Lowest, 29.5 ins. and less in a depression lying over the extreme north and north-west of our Islands, and also in another system over the north of Scandinavia; 29.8 ins. and less over Asia Minor. Depression over our Islands subsequently moving eastwards across Scotland. Shallow secondary disturbances passing across Ireland and England during day.

Thursday, 9th August.

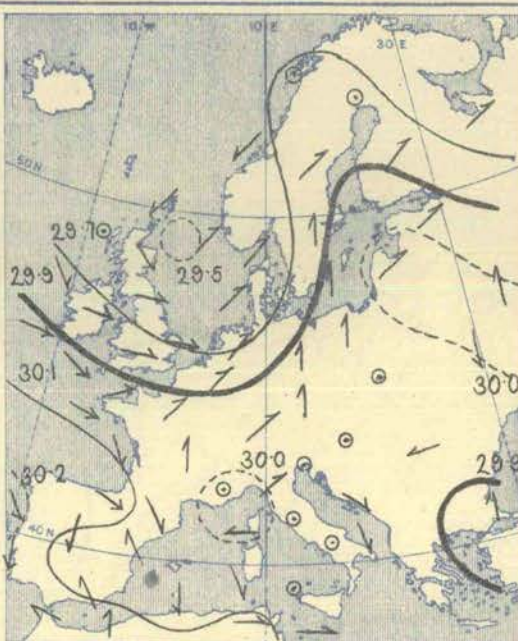
Temperature and Weather.

8 a.m.

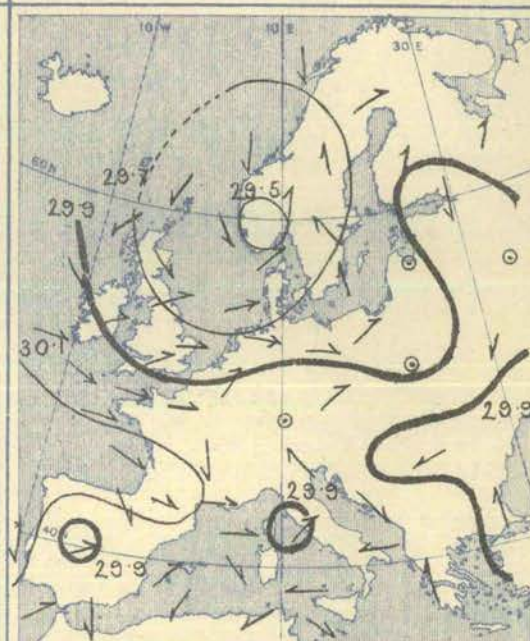


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over the eastern parts of the United Kingdom, but showery at several of our western stations. Cloudy or overcast in neighbouring parts of the Continent, with rain in Denmark, north Germany, and the south of Norway, as well as at Biarritz, fine and bright in most of the eastern, central, and southern countries. Rain or passing showers falling during day in nearly all parts of north-western and northern Europe, heavily in places. Thunderstorms occurring at Skagen and Königsberg, and thunder heard at Nairn.

Temperature changed very irregularly. Morning readings highest, 81° at Barcelona, 80° at Sfax, 78° at Brindisi, and 77° at Tunis and Constantinople; above 70° over southern and eastern Europe generally, and above 65° over north Germany. Lowest, 53° at Bodø, 55° at Skudesnaes, 56° at Parsonstown, and 57° at Hørnøssand, Sumburgh Head, Stornoway, York, and Liverpool. Rising during day to between 65° and 70° in most parts of Great Britain; exceeding 80° over southern Europe generally, the highest reading of all being 91° at Budapest.

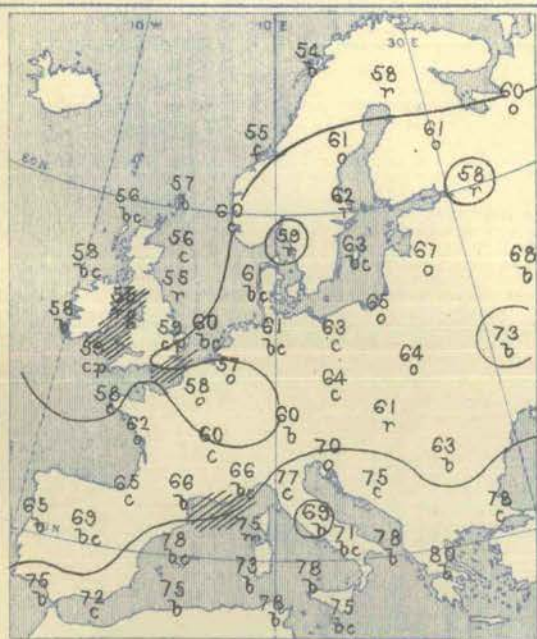
Wind Westerly or North-Westerly over our Islands and the west and north of France, and fresh in force on many parts of our western and southern coasts. Light from the South-Westward over central France and the Netherlands, moderate from the Southward over Germany, Denmark, the Baltic, and the south of Scandinavia; calm in the north of Scandinavia. Light from the North-Eastward in the south of Russia, calm in Austria and also in the south of France; variable in Italy; chiefly Northerly in Spain. Subsequently veering to the North-Eastward in the Shetlands and Hebrides; no important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.2 ins. in an anticyclone extending from the Atlantic over the greater part of the Spanish Peninsula, 30.0 ins. and upwards in another system over the central and southern parts of Russia. Lowest, 29.5 ins. and less in a depression lying between the Scotch and Norwegian coasts. Depression subsequently moving eastwards to the south of Norway; shallow secondary disturbances passing eastwards across our Islands, but barometer rising in most places.

Friday, 10th August.

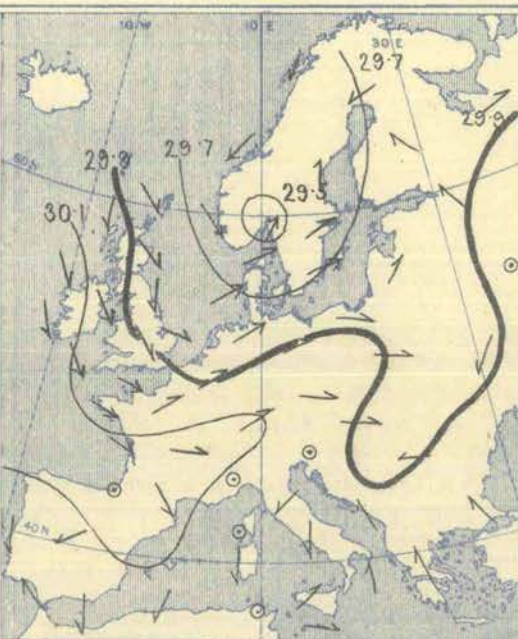
Temperature and Weather.

8 a.m.

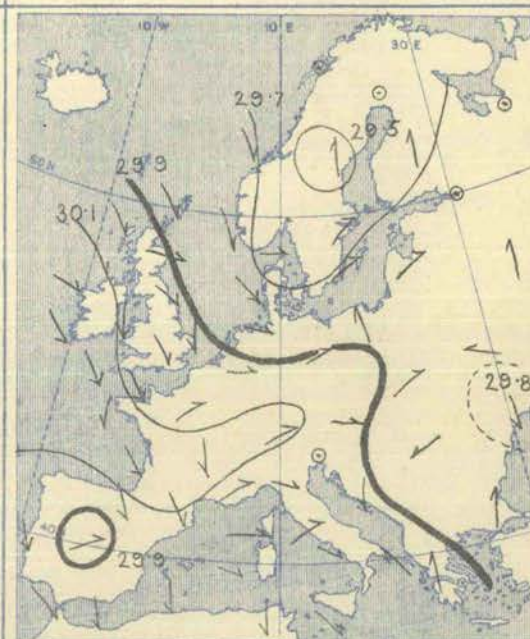


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Ireland and Scotland, but showery in many parts of England. Cloudy or overcast in the western and northern parts of the Continent, with rain in Lapland, as well as at Skagen; fine and bright in most of the southern and south-eastern countries, but cloudy in Austria and northern Italy, with rain at Vienna. Showers falling during day over the northern parts of the United Kingdom, and thunderstorms with heavy local rains occurring over our midland, eastern, and southern counties, as well as in the northern and central parts of Germany.

Temperature fallen in most places. Morning readings highest, 80° at Athens and Patras, and 78° at Palma, Brindisi, Palermo, Tunis, and Constantinople, above 70° at most of the Mediterranean and Adriatic stations. Lowest, 54° at Bodø, and 55° at Christiansund, Skudesnaes, Shields, Holyhead, and Oxford; below 60° in nearly all parts of our Islands. Rising during day to between 65° and 70° in many parts of the United Kingdom, but remaining below 60° at some of our north-western and extreme northern stations. Exceeding 80° over southern Europe generally, the highest reading of all being 95° at Madrid.

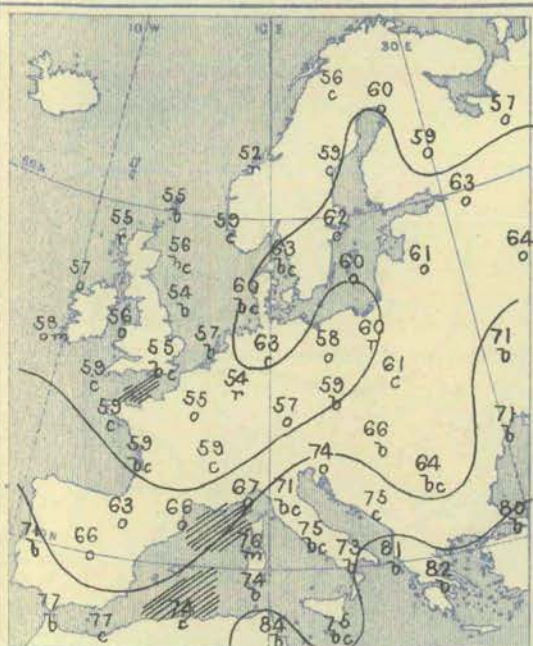
Wind North-Westerly over our Islands and the west and south of France; light or variable in force in most places, but strong over the Irish Sea. Moderate to strong from the South-Westward over the Netherlands, Germany, Denmark, and the south of Scandinavia; Southerly in Finland; North-Easterly over the northern parts of Scandinavia. Light from the North-Eastward in the south of Russia, variable in Italy and Austria; Easterly at most of the Spanish stations. No important change occurring during day.

Barometer highest, 30.1 ins. and upwards in an anticyclone spreading in from the Atlantic over Ireland, the Bay of Biscay, the north of Spain, and the southern parts of France and Germany; 30.0 ins. and upwards in another system over central Russia. Lowest, 29.5 ins. and less in a depression over the south of Norway. Depression moving north-eastwards later to central Sweden; shallow secondary disturbances passing southwards across Great Britain during day, but barometer rising in all parts of our Islands.

Saturday, 11th August.

Temperature and Weather.

8 a.m.

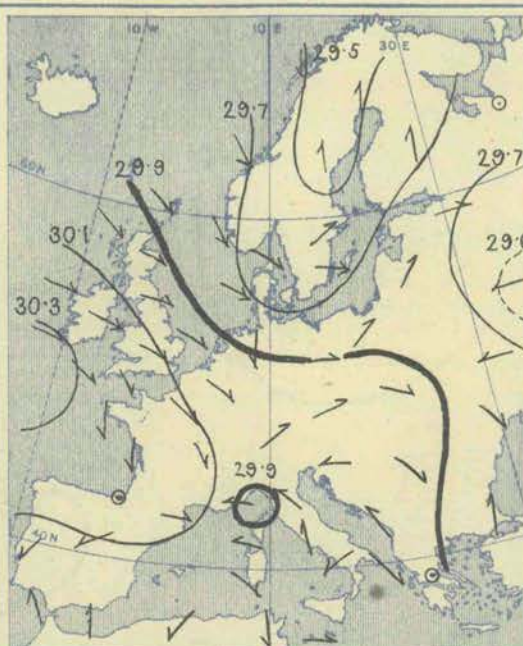


Weather in morning dull in Ireland, the west of Scotland, and the north-west of England, with rain at Stornoway. Fine in other parts of our Islands and also over the greater part of the Continent, but dull at several of the Scandinavian, Russian, and German stations, with rain at Christiansund, as well as at Brussels and Vienna. Showers falling during day in many parts of north-western and northern Europe, and heavy rain at Cracow and Trieste; thunderstorms occurring in the northern and western parts of Germany. Heavy rain setting in over the north of Scotland at night.

Temperature fallen a little in most countries. Morning readings highest, 84° at Tunis, 82° at Athens, Patras, and Sfax, and 81° at Brindisi; above 70° in most parts of southern and south-eastern Europe. Lowest, (1) 52° at Christiansund and 54° at Wick, Shields, and Oxford; (2) 52° at Le Mans, 54° at Brussels, and 55° at Paris. Daily maxima below 65° in nearly all parts of the United Kingdom, and below 60° on some parts of our western and extreme northern coasts. Thermometer exceeding 80° over southern Europe generally, the highest readings of all being 93° at San Fernando and 91° at Cagliari.

Barometer and Wind.

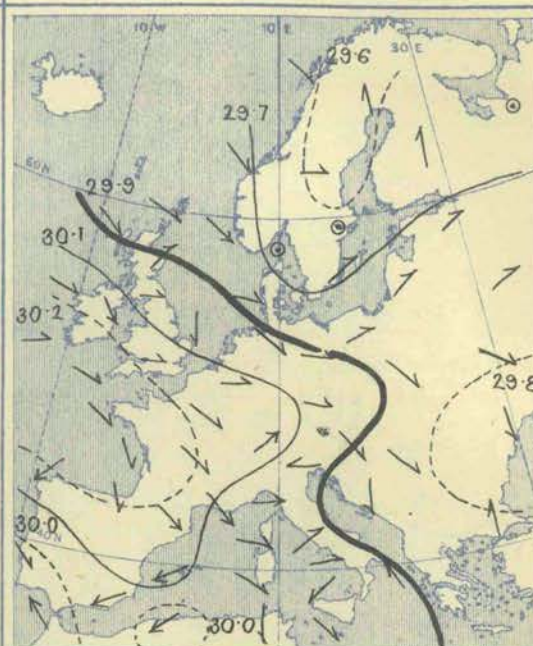
8 a.m.



Wind Westerly or North-Westerly over the greater part of western and central Europe, and strong in force on the eastern shores of the North Sea. South-Westerly over the Baltic; Southerly over Finland and the north of Sweden. Light from the Northward or North-Eastward in the south of Russia; variable in Italy and Algeria; Easterly or North-Easterly over the Spanish Peninsula. No important change occurring during day, but Westerly winds setting in at many of the Italian stations.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying to the south-westward of our Islands. Lowest, 29.5 ins. and less in a "V" shaped depression over the northern parts of Scandinavia; 29.6 ins. and less in a shallow disturbance over central Russia; 29.7 ins. and less in a still shallower system over the Sea of Azof. Anticyclone off our south-west coasts subsequently beginning to break up; new depression appearing at night off the north of Scotland. Depression over Scandinavia gradually filling up.

6 p.m.



Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the week barometrical pressure was highest over southern Europe, and lowest in a series of depressions which advanced from the Atlantic, and which passed over the extreme northern and north-western parts of our Islands and on to Scandinavia. In the southern countries the winds were, therefore, light and variable, and the weather fine and warm; but, in the north-western and northern parts of Europe, moderate to fresh South-Westerly and Westerly breezes were general, with changeable, showery weather and thunderstorms in places. The most important depression observed was a well-defined system which passed across Scotland and the North Sea on the 8th and 9th, and which occasioned heavy rains over the northern parts of Great Britain generally. In its rear, shallow secondary disturbances moved south-eastwards across Great Britain, and, on the 10th, severe thunderstorms were experienced in the south and south-east of England, with considerable falls of rain in many localities.

The barometer then rose generally, and an anticyclone spread temporarily over our Islands from the westward. The wind, therefore, veered to the North-Westward, but very little improvement in the weather was experienced, the conditions being for the most part cloudy and showery. At the close of the week the anticyclone was moving southwards, and depressions were again beginning to appear off our north and north-west coasts.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 188.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	30.9	?	29	?	EASTBOURNE	32.4	?	31	?
OSWALDKIRK (Yorkshire)	24.7	?	23	?	MANCHESTER (Oldham Road)	18.3*	?	17*	?
WORKSOP	24.5	-10.3	23	-10	TENBY	31.6*	?	30*	?
THURCASTON (Leicestershire)	24.9	-11.6	24	-11	NEWQUAY	45.1	?	44	?
MARGATE	32.9	?	32	?	TORQUAY	32.9*	?	32*	?
WESTBOURNE (Sussex)	32.2*	?	31*	?	ARLEY COTTAGE (County Cavan)	30.4	?	29	?
BRIGHTON	31.3	?	31	?	GUERNSEY	44.5*	?	44*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 33.]
Third Series.

WEEK ENDING SATURDAY, AUGUST 18TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 194.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	67	41	58.9	48.6	53.4	1 below	Day-deg. 80	Day-deg. - 1	Day-deg. 0	Day-deg. 0	Day-deg. 1519	Day-deg. + 3.4	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	69	41	63.3	48.1	55.2	1 below	92	- 11	0	0	1594	+ 29	581	+ 8
	2. ENGLAND, N.E.	68	42	63.0	50.5	56.3	2 below	100	- 9	0	0	1739	+ 97	455	- 51
	3. ENGLAND, EAST.	78	44	66.3	51.2	58.3	2 below	114	- 8	0	0	2047	+ 116	471	- 100
	4. MIDLAND COUNTIES.	71	43	64.0	51.3	57.3	2 below	107	- 9	0	0	2043	+ 124	483	- 79
5. ENGLAND, SOUTH	79	43	66.2	53.9	59.7	2 below	124	- 6	0	0	2206	+ 132	303	- 119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	65	47	61.2	51.2	55.9	1 below	97	- 3	0	0	1713	+ 98	345	- 69
	7. ENGLAND, N.W.	65	48	60.9	53.4	57.0	2 below	105	- 6	0	0	1335	+ 202	302	- 120
	8. ENGLAND, S.W.	70	45	62.2	53.3	57.5	2 below	109	- 9	0	0	2049	+ 129	236	- 81
	9. IRELAND, NORTH	66	45	60.5	51.5	55.7	2 below	96	- 8	0	0	1804	+ 76	334	- 33
	10. IRELAND, SOUTH	68	44	62.2	52.1	56.9	2 below	104	- 8	0	0	2073	+ 120	217	- 67
	—CHANNEL ISLANDS	66	54	63.3	50.3	59.6	2 below	123	- 9	0	0	2352	+ 218	94	- 18

DISTRICTS. (See p. 194.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in. 25	10ths of ins. 16 more	149	- 1	37.0	+ 8.8	20	+ 2	19	+ 1	865	+ 158	35	+ 6
	1. SCOTLAND, EAST	6	16	9 more	136	+ 13	25.5	+ 6.8	52	+ 9	31	+ 8	978	+ 63	35	+ 2
	2. ENGLAND, N.E.	6	6	0 (average)	135	+ 23	16.7	+ 1.2	32	- 1	31	- 1	1000	+ 113	33	+ 3
	3. ENGLAND, EAST.	4	3	2 less	126	+ 17	15.8	+ 0.5	39	- 2	39	- 2	1107	+ 8	33	0
	4. MIDLAND COUNTIES.	4	3	3 less	128	+ 19	15.6	- 1.4	30	- 8	29	- 8	1016	+ 48	33	+ 1
5. ENGLAND, SOUTH	4	3	2 less	124	+ 19	17.8	+ 1.8	33	- 9	33	- 10	1172	+ 30	27	+ 1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	16	6 more	146	+ 16	33.9*	+ 4.8	30	- 4	29	- 4	1007	+ 24	33	+ 1
	7. ENGLAND, N.W.	6	9	2 more	143	+ 25	22.9	+ 3.3	23	- 10	22	- 10	948	+ 59	33	+ 1
	8. ENGLAND, S.W.	4	4	3 less	142	+ 21	24.2	+ 1.1	30	- 14	30	- 14	1169	- 8	38	0
	9. IRELAND, NORTH	6	8	0 (average)	159	+ 19	26.5	+ 5.3	17	- 11	16	- 11	918	+ 24	30	+ 1
	10. IRELAND, SOUTH	4	4	5 less	148	+ 20	26.5	+ 3.3	20	- 15	20	- 15	991	- 57	32	- 2
	—CHANNEL ISLANDS	4	2	4 less	144	+ 16	22.9	+ 4.5	38	- 14	39	- 14	1266	- 75	42	- 3

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this week continued in a cold and unseasonable condition generally. Heavy rain was experienced over all the more northern and north-western districts, and frequent showers in the other parts of the Kingdom. Thunderstorms were experienced at some of the northern stations during the earlier or middle part of the week, and in the neighbourhood of London on the 16th.

Temperature was below the mean in all districts, the deficit being 1° in Scotland and 2° over England and Ireland. The highest of the maxima were registered on the 14th, and ranged from 79° in England S. and 78° in England E., to 65° in Scotland W. and England N.W. On several occasions the daily maxima, especially during the latter part of the week, did not much exceed 60°. The lowest of the minima were recorded on the 17th, when they ranged from 41° in Scotland N. and E. to 45° in England N.W. and to 54° in the Channel Islands.

Rainfall was much in excess of the mean in Scotland, and rather in excess in England N.W.

In England N.E. and Ireland N. the fall just equalled the normal, while in the other districts it was rather less.

Bright Sunshine was very deficient in most parts of the Kingdom, but was somewhat in excess in the north and east of Scotland. The percentage of the possible amount of duration ranged from 39 in England E. and the Channel Islands, and 30 to 33 in England S.W. and S., to 19 in Scotland N., and to 16 in Ireland N.

Barometer and Wind.—Barometric pressure was highest in the south or south-west, lowest in the north, and some large and rather deep depressions moved in an easterly direction over Scotland and the North Sea, while shallow subsidiary disturbances passed in a south-easterly direction over England. Westerly to North-Westerly or Northerly winds were consequently most prevalent over the United Kingdom, and were frequently strong in force, attaining the force of a moderate gale at most of our western and southern stations, and of a fresh gale at some of the western stations, as well as at Aberdeen.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	60	41	55.7	48.1	52.1	- 0.8	71	0	5	2.78	+2.07	*	*	*	*
	Stornoway	60	47	57.9	50.6	54.0	0.0	84	0	7	2.85	+2.02	29.0	+ 1.8	27	+ 1
	Wick	67	43	60.3	48.1	53.8	- 0.7	83	0	6	1.24	+0.65	*	*	*	*
	Lairg	61	44	58.1	46.9	52.2	- 2.4	71	0	5	1.52	+0.88	*	*	*	*
	Glencarron	60	43	57.4	46.8	51.8	- 2.5	69	0	7	3.16	+1.66	*	*	*	*
	Fort Augustus	65	43	62.1	49.1	55.2	- 0.6	92	0	7	2.46	+1.77	13.5	?	13	?
	Fort William	61	48	59.8	50.3	54.8	- 1.5	90	0	7	3.50	+2.23	18.5	?	18	?
1. SCOTLAND, E.	Nairn	64	45	62.1	48.4	54.8	- 1.7	90	0	7	1.56	+0.94	*	*	*	*
	Aberdeen	69	44	63.0	49.3	55.7	- 0.7	96	0	6	1.13	+0.49	43.8	+ 8.8	42	+ 8
	Braemar	63	41	60.0	46.9	52.3	- 0.9	74	0	7	1.85	+1.02	29.8	?	28	?
	Ochertyre	67	43	65.4	47.3	55.8	- 0.5	97	0	4	2.32	+1.52	*	*	*	*
	Leith	69	45	66.1	49.4	57.3	- 1.0	107	0	6	1.40	+0.81	*	*	*	*
	Marchmont	65	41	63.0	48.1	55.1	- 0.9	92	0	6	1.41	+0.62	28.0	?	27	?
2. ENGLAND, N.E.	Alnwick Castle	65	43	61.1	49.4	54.9	- 1.7	90	0	7	0.85	+0.15	*	*	*	*
	Durham	67	42	63.5	49.1	56.1	- 2.0	99	0	5	0.54	-0.08	25.2	- 9.3	24	- 9
	Shields	65	42	62.1	48.9	55.1	- 2.6	92	0	5	0.96	+0.31	*	*	*	*
	Scarborough	67	46	63.0	51.3	56.8	- 1.5	104	0	5	0.32	-0.28	*	*	*	*
	York	67	43	64.6	50.3	57.0	- 2.1	105	0	6	0.84	+0.26	40.3	+ 7.0	39	+ 7
	Spurn Head	68	50	63.0	53.7	58.1	- 1.6	113	0	5	0.27	-0.15	*	*	*	*
3. ENGLAND, E.	Hillington	72	44	65.7	50.2	57.5	- 2.6	109	0	5	0.52	-0.08	34.0	- 5.2	33	- 6
	Yarmouth	75	47	65.7	51.7	58.3	- 2.1	114	0	5	0.38	-0.12	*	*	*	*
	Geldeston	78	44	67.7	50.4	58.5	- 1.7	116	0	4	0.44	+0.02	41.0	- 2.2	41	- 2
	Cambridge	75	46	66.9	52.1	59.0	- 2.1	119	0	3	0.12	-0.38	42.8	+ 2.0	42	+ 2
	Rothamsted	75	45	65.4	51.8	58.2	- 1.6	113	0	5	0.26	-0.29	38.1	?	38	?
	Bawtry (Hesley Hall)	69	45	65.0	50.7	57.4	- 1.8	108	0	3	0.15	-0.39	*	*	*	*
4. MIDLAND COUNTIES	Loughborough	71	47	65.4	52.1	58.4	- 2.0	115	0	5	0.25	-0.32	*	*	*	*
	Stamford (Ketton Hall)	70	46	66.3	50.9	58.1	- 2.3	113	0	4	0.18	-0.30	*	*	*	*
	Cheadle	65	45	60.4	50.1	54.9	- 2.4	90	0	6	0.15	-0.35	*	*	*	*
	Churchstoke	66	46	61.4	50.9	55.8	- 1.7	97	0	4	0.20	-0.41	29.1	- 8.5	29	- 8
	Hereford	70	46	65.1	52.4	58.4	- 1.5	115	0	2	0.15	-0.40	*	*	*	*
	Cirencester	66	43	62.7	49.0	55.5	- 2.9	102	0	3	0.37	-0.33	32.3	- 8.3	32	- 8
	Oxford	71	43	65.3	52.6	58.6	- 1.9	116	0	4	0.53	+0.02	29.4	-11.8	29	-12
5. ENGLAND, S.	London	79	44	67.7	53.1	60.0	- 2.1	126	0	5	0.58	+0.08	35.3	- 1.7	35	- 2
	North Foreland	73	51	66.0	54.0	59.6	- 0.9	123	0	1	0.27	?	*	*	*	*
	Strathfield Turgiss	77	43	67.1	52.1	59.2	- 1.5	120	0	4	0.36	-0.13	*	*	*	*
	Dungeness	67	46	65.3	55.1	59.9	- 1.8	125	0	5	0.28	-0.19	*	*	*	*
	Hastings (St. Leonards)	67	47	64.7	53.4	58.7	- 3.2	117	0	5	0.24	-0.30	31.7	-14.1	31	-15
	Southampton	75	47	68.5	54.2	60.9	- 0.6	132	0	2	0.17	-0.43	34.4	-11.4	34	-12
	Hurst Castle	69	50	66.3	56.6	61.2	- 0.5	134	0	1	0.12	-0.39	*	*	*	*
	Stowell	71	46	63.6	52.7	57.8	- 1.6	111	0	5	0.21	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	61	48	59.6	50.4	54.7	- 2.0	89	0	7	2.42	+1.23	*	*	*	*
	Glasgow	62	47	61.0	50.3	55.3	- 1.2	93	0	4	2.24	+1.39	33.0	+ 4.7	33	+ 5
	Ardrossan	64	50	61.4	52.3	56.6	- 1.3	102	0	5	1.38	+0.53	*	*	*	*
	Glenlee	65	47	62.6	50.6	56.2	+ 0.2	99	0	5	1.03	+0.03	*	*	*	*
	Douglas (Isle of Man)	62	51	61.6	52.4	56.7	- 0.2	103	0	5	0.70	-0.11	25.1	-13.4	24	-14
	Stonyhurst	61	49	58.7	52.2	55.3	- 2.9	93	0	7	2.59	+1.51	25.5	- 8.3	25	- 8
7. ENGLAND, N.W.	Blackpool	64	51	62.3	54.3	58.1	- 1.2	113	0	7	0.67	-0.03	21.3	-15.3	22	-13
	Manchester (Prestwich)	63	48	60.0	52.0	55.8	- 2.6	97	0	7	0.78	-0.02	21.6	?	21	?
	Liverpool Obsy. (Bidston)	64	53	61.1	54.1	57.4	- 2.2	108	0	6	0.51	-0.15	*	*	*	*
	Llandudno	65	53	61.9	54.8	58.1	- 1.8	113	0	6	0.57	-0.03	26.3	- 9.0	26	- 9
	Holyhead	64	52	61.3	53.1	57.0	- 2.2	105	0	5	0.52	-0.12	*	*	*	*
	Llandovery	67	46	63.1	50.7	56.5	- 2.7	102	0	7	1.24	+0.20	*	*	*	*
8. ENGLAND, S.W.	Pembroke	61	53	59.6	54.7	57.0	- 2.2	105	0	4	0.14	-0.50	24.8	-20.7	24	-21
	Bristol (Montpelier)	69	50	64.3	55.2	59.5	- 0.6	123	0	5	0.40	-0.35	*	*	*	*
	Arlington (N. Devon)	63	46	59.9	52.1	55.8	- 2.4	97	0	5	0.32	-0.30	*	*	*	*
	Cullompton	70	45	64.4	53.0	58.4	- 0.3	115	0	3	0.07	-0.55	30.3	-11.5	30	-11
	Falmouth	64	51	61.3	54.3	57.6	- 2.4	109	0	3	0.23	-0.57	36.2	-10.4	36	-11
	Plymouth	66	47	63.2	53.0	57.7	- 3.8	110	0	3	0.26	-0.57	27.8	-16.2	28	-16
	Prawle Point	65	49	62.1	53.3	57.4	- 2.2	108	0	2	0.19	-0.30	*	*	*	*
9. IRELAND, N.	Malin Head	59	50	58.0	52.7	55.2	- 2.3	92	0	7	0.32	?	*	*	*	*
	Londonderry	64	48	60.6	51.7	55.9	- 1.3	97	0	7	0.92	+0.04	*	*	*	*
	Edenfel (Omagh)	61	47	59.3	50.6	54.7	- 2.0	89	0	7	0.79	-0.01	*	*	*	*
	Behnullet	60	51	59.0	53.1	55.9	- 2.9	97	0	7	0.61	?	*	*	*	*
	Markree Castle	63	48	61.1	50.8	55.6	- 1.0	95	0	7	0.88	+0.08	15.8	-13.1	15	-13
	Brookeborough	64	47	60.9	50.5	55.4	- 1.1	94	0	7	1.19	+0.40	*	*	*	*
10. IRELAND, S.	Armagh	64	46	61.7	50.5	55.8	- 1.7	97	0	4	0.55	-0.12	18.0	- 8.8	17	- 9
	Donaghadee	66	52	62.7	54.1	58.1	+ 1.3	113	0	6	0.33	-0.37	*	*	*	*
	Edgeworthstown	64	45	60.9	49.5	54.9	- 2.2	90	0	5	0.64	-0.14	*	*	*	*
	Dublin	66	48	63.4	52.2	57.5	- 1.9	109	0	6	0.34	-0.28	27.4	- 9.0	27	- 9
	Parsonstown	62	45	61.6	49.6	55.2	- 3.1	92	0	3	0.23	-0.54	17.4	-15.4	17	-15
	Kilkenny	66	44	62.4	51.0	56.8	- 1.7	104	0	3	0.31	-0.44	*	*	*	*
CHANNEL ISLANDS	Waterford	68	49	63.7	52.4	57.7	- 2.0	110	0	2	0.04	-0.77	*	*	*	*
	Roche's Point	62	51	60.0	54.1	56.9	- 2.1	104	0	6	0.54	-0.51	15.1	-21.2	15	-21
	Valencia	68	47	62.2	52.5	57.1	- 1.6	106	0	5	0.36	?	*	*	*	*
	Killarney	?	49	?	53.2	?	?	?	0	6	0.60	?	*	*	*	*
	Foyes	?	49	?	53.2	?	?	?	0	6	0.60	?	*	*	*	*
	Scilly (St. Mary's)	63	54	62.0	55.6	58.6	- 2.1	116	0	4	0.13	-0.41	32.8	?	33	?
	Jersey	66	54	64.6	57.0	60.6	- 2.1	130	0	4	0.17	-0.33	40.5	-14.4	41	-14

Stations marked $\mathcal{M}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

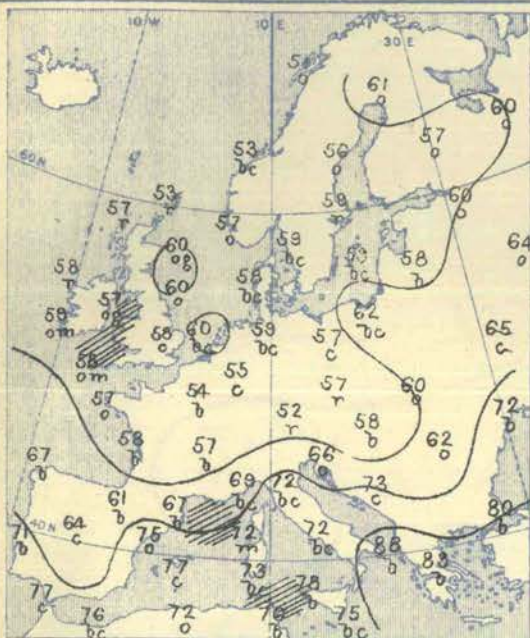
† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the sunshine values are the means of observations made in the City (Bunnell Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

‡ The corresponding values in last week's report should read "1.35" and "4.45".

Sunday, 12th August.

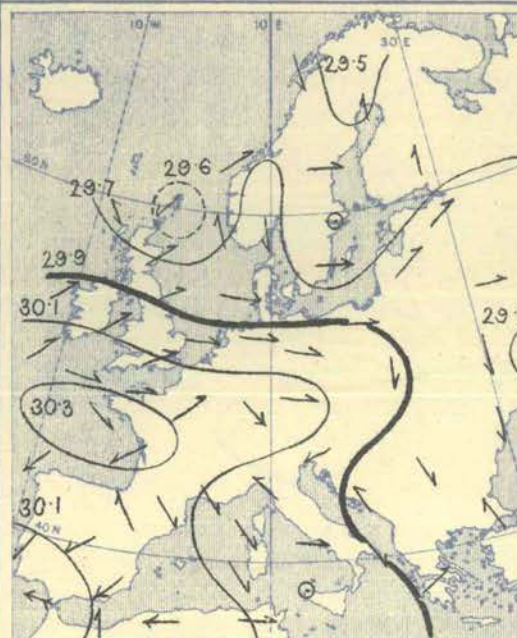
Temperature and Weather.

8 a.m.

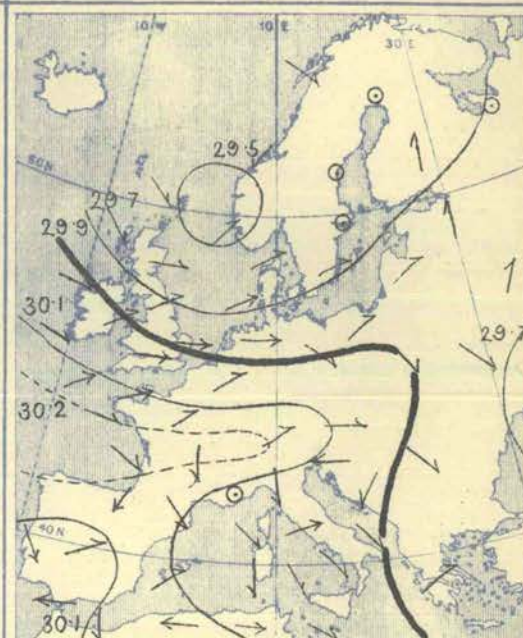


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in the east and south-east of England, but dull in all other parts of the United Kingdom, with rain on our extreme north and north-west coasts. Dull in many parts of northern and central Europe, with rain at some of the Swedish, Austrian, and south German stations; fine in the south-western and southern countries. Dull, rainy weather extending later from the westward to nearly all parts of north-western Europe, but rainfall not heavy. Considerable quantities of rain falling in Denmark and Austria.

Temperature risen a little over Great Britain, fallen in most other countries. Morning readings highest, 88° at Brindisi, 83° at Athens, 82° at Patras, and 81° at Sfax, above 70° in many parts of southern and south-eastern Europe. Lowest, (1) 49° at Le Mans, 52° at Munich, and 54° at Paris; (2) 51° at Bodö, 53° at Christiansund and Sumburgh Head, and 55° at Mallin Head and Parsonstown. Daily maxima below 60° on our extreme north and north-west coasts, and below 65° in most other parts of the Kingdom, with the exception of the east and south-east of England. Thermometer exceeding 80° over Spain, southern Italy, and the extreme south of France, the highest reading of all being 94° at Madrid.

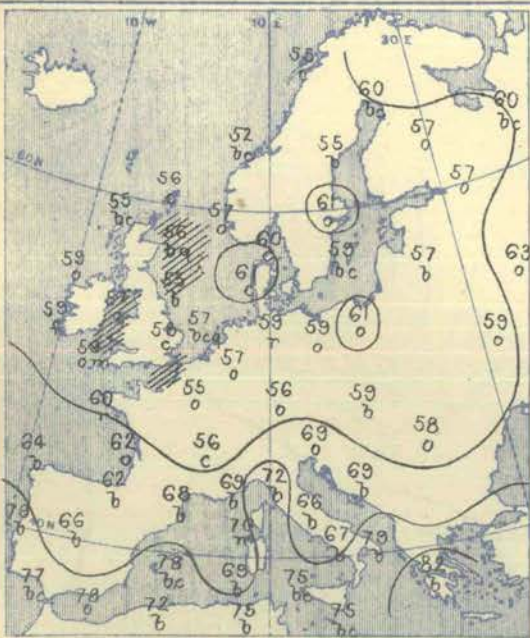
Wind moderate to fresh from the Westward or South-Westward over the greater part of our Islands, with the Netherlands, Denmark, Germany, and the Baltic, but North-Westerly or Northerly in the north of Scotland. Variable in Scandinavia, light from the Southward over northern Russia; North-Westerly in Austria, Italy, and the south of France; North-Easterly or Easterly over the Spanish Peninsula, with a gale at San Fernando. Subsequently veering to the North-Westward in Ireland. No important change occurring elsewhere.

Barometer highest, 30.2 ins. to 30.3 ins. and upwards in an anticyclone lying over the Bay of Biscay, France, and the north-east of Spain. Lowest, 29.6 ins. and less in a well-marked depression lying off the north of Scotland, with its centre near Sumburgh Head; 29.7 ins. and less in a shallow system over the south of Russia. Depression in north subsequently moving slowly north-eastwards; shallow secondary disturbances passing eastwards across Ireland and England.

Monday, 13th August.

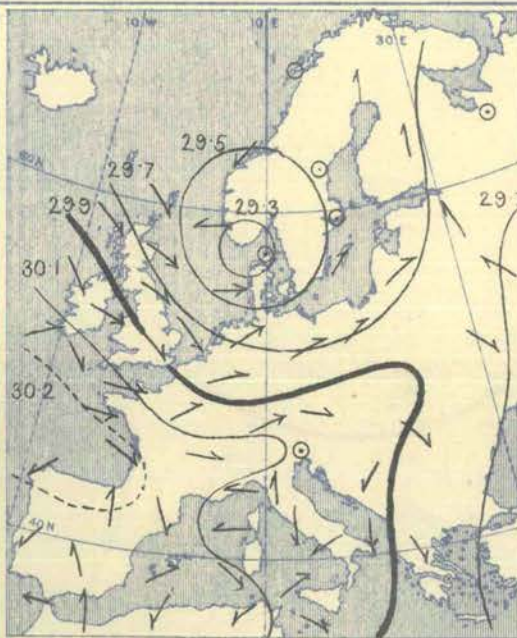
Temperature and Weather.

8 a.m.

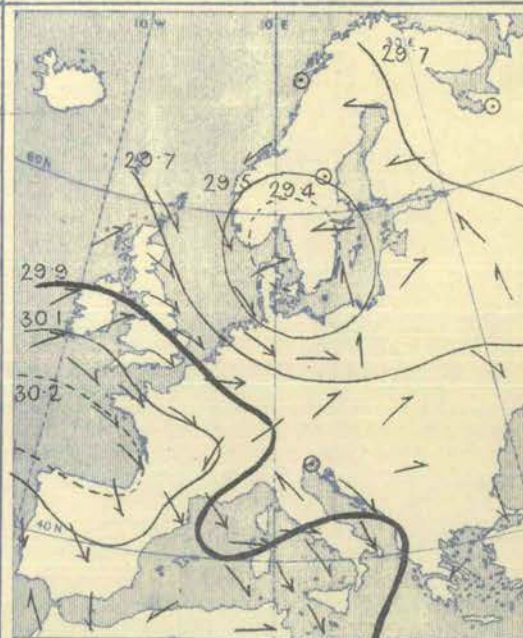


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in most parts of the United Kingdom, but dull on our extreme west and south-west coasts, with fog at Valencia. Cloudy or overcast in the western, northern, and central parts of the Continent generally, with rain in a few places, but fine at most of the Swedish stations, as well as over the whole of southern Europe. Heavy rain falling during day in many parts of Norway, Denmark, and Germany, and at night in Scotland; smaller quantities reported in nearly all the north-western countries. Lightning seen at Fano, and a thunderstorm occurring at Lagonaut.

Temperature fallen in Great Britain and also in Italy, but changed irregularly elsewhere. Morning readings highest, 83° at Athens, Patras, and Sfax, and 79° at Lisbon, Barcelona, and Brindisi; above 70° at most of the Mediterranean stations. Lowest, (1) 62° at Christiansund, and 55° at Bodö, Hernösand, Wick, Nidrn, and Shields, (2) 56° at Paris, and 56° at Lyons and Munich. Daily maxima below 60° on our extreme north and north-west coasts, but thermometer rising to between 65° and 69° in many other parts of the United Kingdom. Exceeding 75° in the south of France, and exceeding 80° over the Spanish Peninsula.

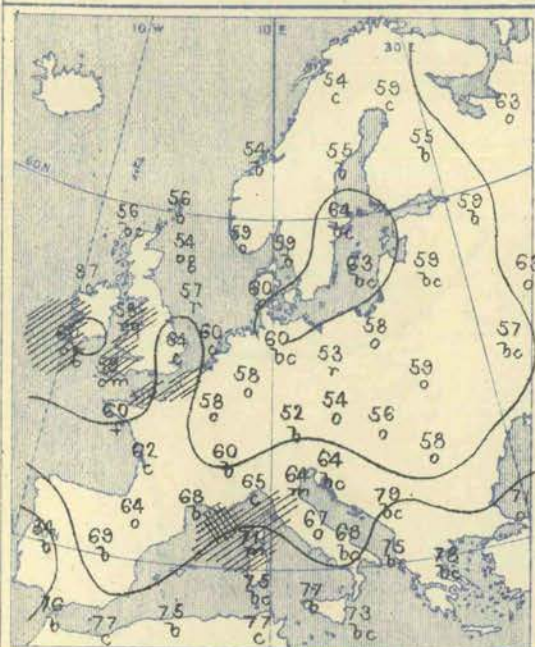
Wind North-Westerly over our Islands, the Netherlands, and the west and north of France, and fresh or strong in force on our north-western, eastern, and south-eastern coasts. Moderate to strong from West or South-West in Denmark and Germany; Southerly over the Baltic and Finland; calm in central Sweden; Easterly in the south of Norway. Light Westerly or North-Westerly in Austria and the south of Russia; Northerly in Italy; North-Easterly or Easterly in Spain. Subsequently backing to the Westward or South-Westward in all the more western parts of our Islands, and to the Southward in the north of Ireland. Blowing strong from the Northward in the south of Norway.

Barometer highest, 30.2 ins. and upwards in an anticyclone over the Bay of Biscay and the north of Spain. Lowest, 29.3 ins. and less in a depression off the south of Norway, (gradients rather steep over the North Sea and the eastern parts of Great Britain), 29.6 ins. and less in a shallow disturbance to the north-eastward of Kharkov. Norwegian depression subsequently moving slowly eastwards, but barometer beginning to fall again in the west of our Islands, and new disturbance advancing from the Atlantic.

Tuesday, August 14th.

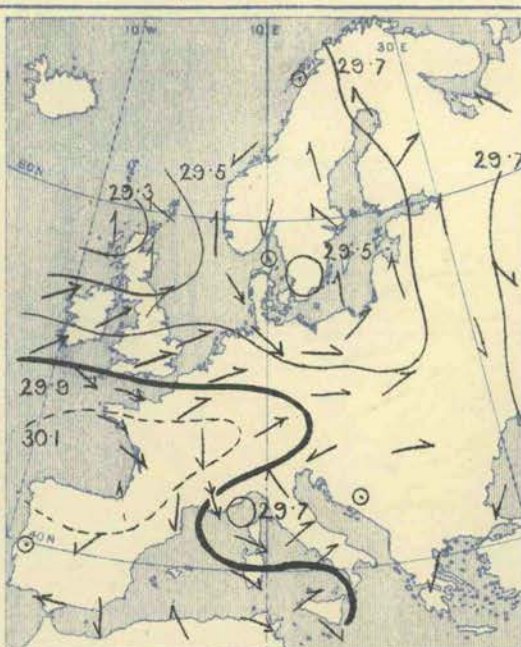
Temperature and Weather.

8 a.m.

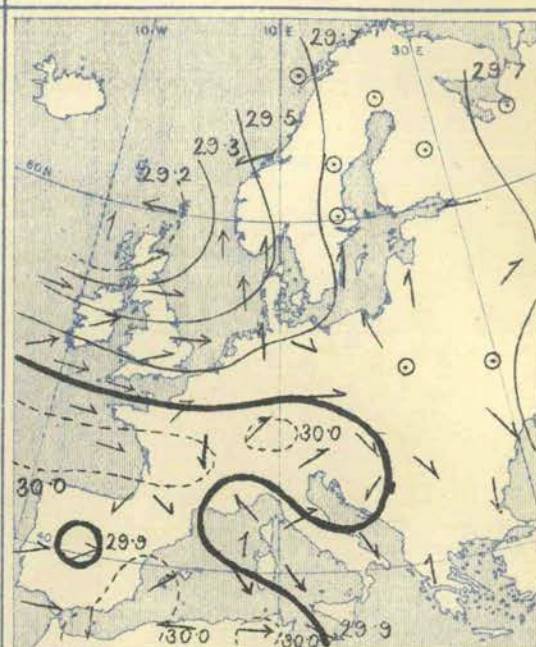


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over central England and also in the north of Scotland, but cloudy or overcast in most other parts of our Islands, with rain in many places, and with mist or fog on our south and south-west coasts. Dull also over Germany, the Netherlands, and the west and north of France, with rain at Berlin, but fine in most other parts of the Continent. Sky clearing later in the east and south-east of Great Britain, but rain falling at many of our western and northern stations, heavily in the Shetlands and Hebrides. Rain falling also in several parts of Germany, Austria, and Russia.

Temperature fallen in Germany, Austria, and the south of Russia, but risen in most other countries. Morning readings highest, 87° at Oporto, 84° at Lisbon, 81° at Stax, and 78° at Patras; above 70° at most of the Mediterranean stations, above 60° over Russia and the south of Sweden. Lowest, 54° at Bodö, Christiansund, Wick, and Aberdeen, and 55° at Kuopio and Hernösand. Thermometer remaining below 60° all day on some parts of our western and extreme northern coasts, but exceeding 70° over the central and south-eastern parts of England, and reaching 79° in London. Rising to 80° or more over southern Europe generally, the highest reading of all being 97° at Madrid and Lisbon.

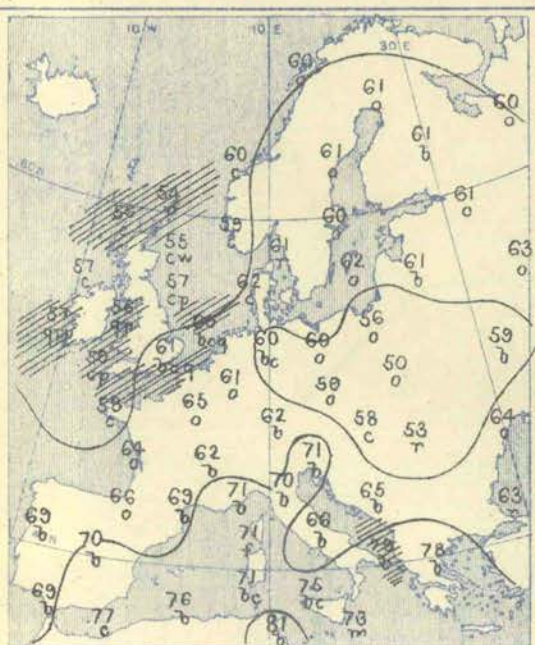
Wind South-Westerly or Westerly over the greater part of our Islands, with the Netherlands, Germany, and the north of France, but Southerly or South-Easterly in the north of Scotland; strong in force on our western coasts. Light to moderate from South or South-East over Finland, Sweden, and the Baltic. Light from North-West in Austria, and from West in Italy; variable in Algeria. Subsequently increasing to a moderate gale from West or South-West on most parts of our western and southern coasts, and to a strong breeze from East in the Shetlands; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards in an anticyclone lying over the Bay of Biscay, France, and the north of Spain. Lowest, 29.3 ins. and less in a rather deep depression off the north of Scotland; 29.55 ins. and less in a shallow system over the south of Sweden, 29.6 ins. and less in the south of Russia, and 29.7 ins. and less in a well-marked disturbance over the Gulf of Genoa. Scotch depression subsequently spreading south-eastwards, and barometer falling in all parts of our Islands and France. Shallow disturbance over Sweden entirely disappearing.

Wednesday, August 15th.

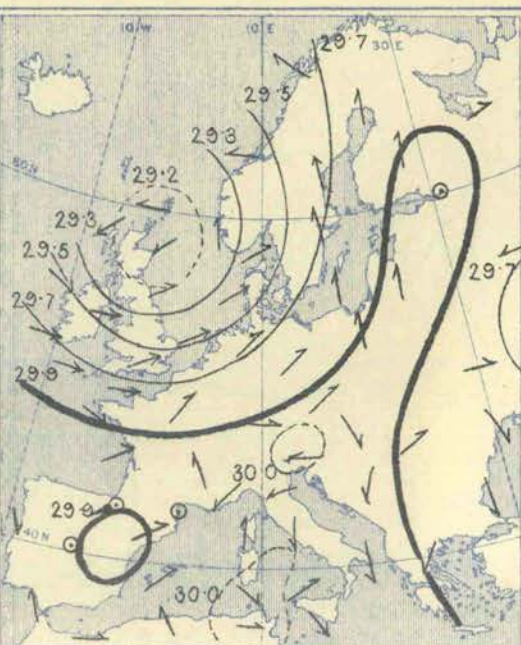
Temperature and Weather.

8 a.m.

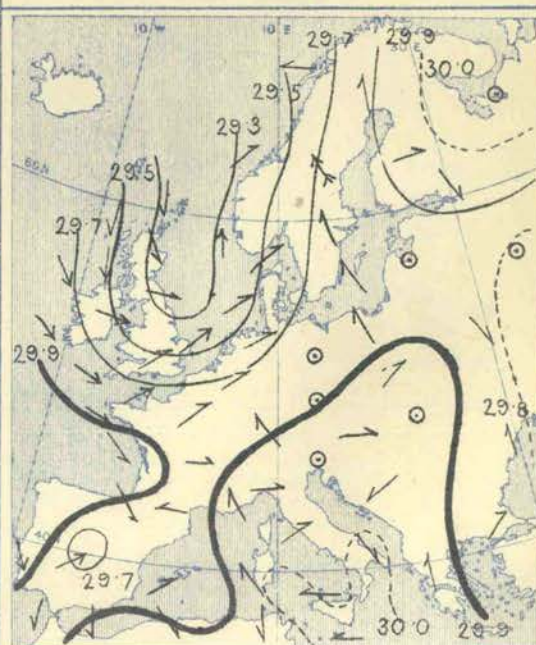


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning changeable and showery over the greater part of the United Kingdom. Fine over southern Europe generally, but dull in most of the northern, eastern, and central countries, with rain at Faerder and the Scaw. Rain falling during day in most parts of north-western, northern, and central Europe, heavily in places, and especially so in the Shetlands. Thunderstorms occurring over the southern parts of France, and thunder heard in the neighbourhood of London.

Temperature fallen in our Islands; changed rather irregularly elsewhere, but risen in most countries. Morning readings highest, 81° at Stax, 80° at Palma and Pesaro, and 79° at Barcelona and Brindist; above 70° in most parts of southern Europe. Lowest, 54° at Sumbargh Head and Nairn, and 55° at Wick, Aberdeen, Leith, and Roche's Point; below 60° in all but the south-eastern parts of the United Kingdom. Daily maxima below 65° in the west and north of our Islands generally, but thermometer rising to 67° at Loughborough and Oxford, and to 69° in London. Exceeding 80° in many parts of southern Europe, the highest readings of all being 94° at Madrid and 90° at Gap.

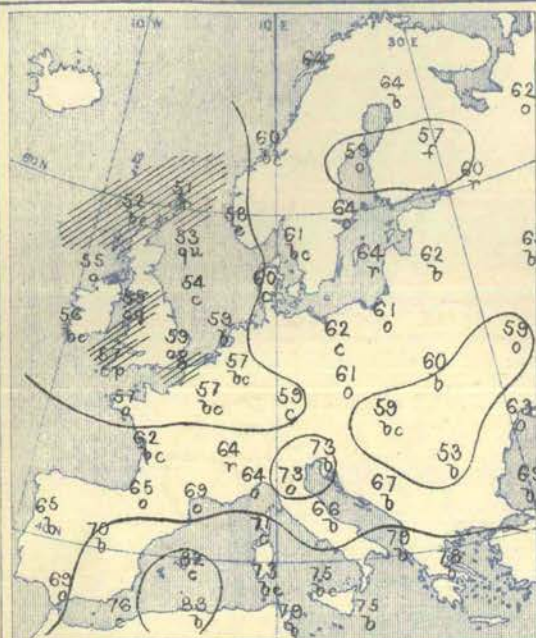
Wind strong from West or North-West on our western coasts, and from West in the English Channel; moderate to strong from South-West over the eastern and central parts of England, as well as in the Netherlands, Denmark, and Germany; Southerly or South-Easterly over Finland, Sweden, the Baltic, and the south of Norway; light from East in the west of Norway. Variable over southern and south-eastern Europe generally. Subsequently increasing to a fresh gale from the Northward in the north of Scotland, and from the North-Westward on our north-west coasts; Southerly gale springing up at some of the Scandinavian stations.

Barometer highest, 29.9 ins. to 30.0 ins. over nearly the whole of central and southern Europe and the Mediterranean, as well as in a long arm or band extending northwards over western Russia to central Finland. Lowest, 29.2 ins. and less in a well-marked depression over Scotland and the adjacent parts of the North Sea; 29.7 ins. and less in a large shallow area over the central and southern parts of Russia. Scotch depression subsequently moving slowly eastwards and beginning to fill up.

Thursday, 16th August.

Temperature and Weather.

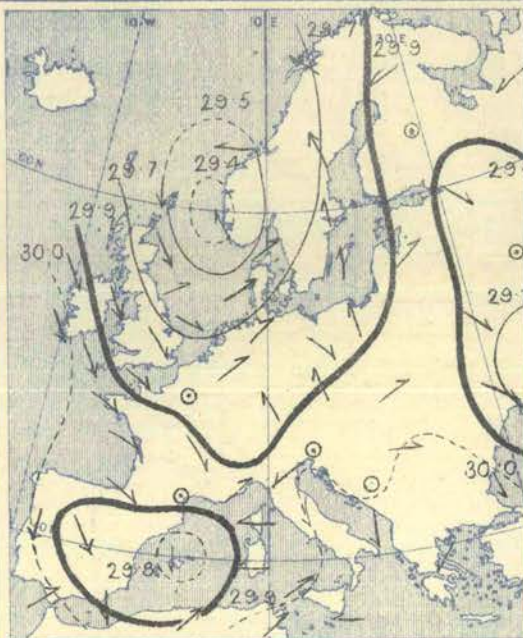
8 a.m.



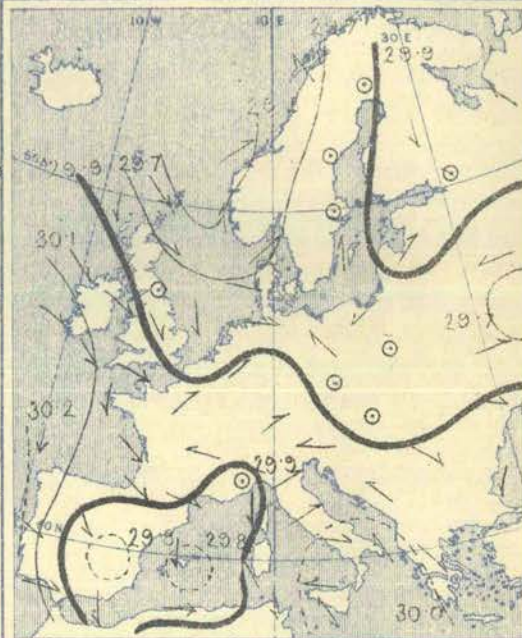
Weather in morning showery in many parts of the United Kingdom, and rainy in Caithness and the Shetlands. Fair or fine over the Continent generally, but dull in Sweden, as well as in the south of France and north of Italy, with rain at Lyons, and also at St. Petersburg. Weather improving later in Ireland and the south-west of England, but rain falling in many other parts of our Islands, as well as at several of the Continental stations, heavily at Lyons. Temperature fallen a little in our Islands and France, but changed irregularly elsewhere. Morning readings highest, 83° at Algiers, 82° at Palma, 81° at Sfax, and 79° at Brindisi; above 70° over southern Europe generally, and above 60° over the northern parts of Russia and Scandinavia. Lowest, 50° at Wick, 51° at Sumburgh Head, and 52° at Stornoway; below 55° at several of our own northern stations. Daily maxima below 60° in the extreme west and north of our Islands generally, and below 65° in most other districts. Thermometer exceeding 70° in Germany and the south of France, and exceeding 80° in Italy and central Spain, the highest reading of all being 91° at Madrid.

Barometer and Wind.

8 a.m.



6 p.m.

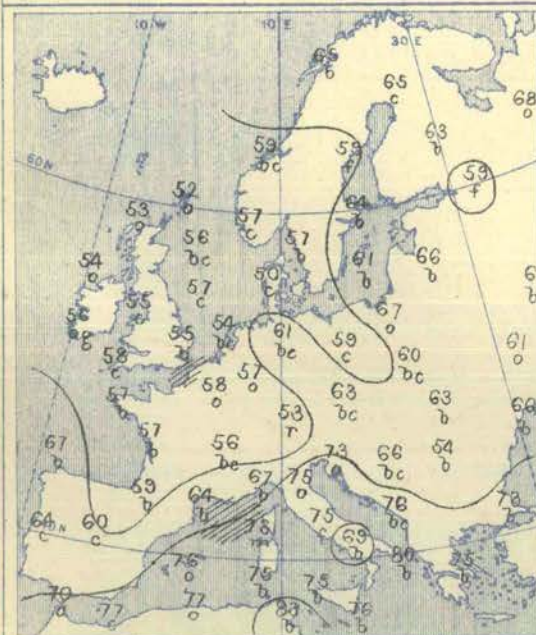


Wind North-Westerly over our Islands, the west of France, and the Spanish Peninsula, and strong in force on many parts of our western and extreme northern coasts. Moderate to strong from the South-Westward in Denmark and the Netherlands, and from the Southward or South-Eastward in Sweden and the south of Norway; light from the Eastward in the west of Norway. Light from the North-Westward in the south of Russia; calm in Austria. Variable in Italy, Algeria, and the south of France. Wind subsiding gradually on our western and northern coasts during day; no important change occurring elsewhere. Barometer highest, 30.0 ins. and upwards in a large anticyclone extending from the Atlantic over the south-west of Ireland and the Portuguese coasts, and also in a smaller system over the north of Russia. Lowest, 29.4 ins. and less in a well-marked depression having its centre between the Shetlands and the Norwegian coasts, 29.6 ins. and less in another disturbance over the south of Russia. Depression in north subsequently moving northwards and beginning to fill up; but well-marked disturbance appearing over the central and south-eastern parts of Spain.

Friday, 17th August.

Temperature and Weather.

8 a.m.

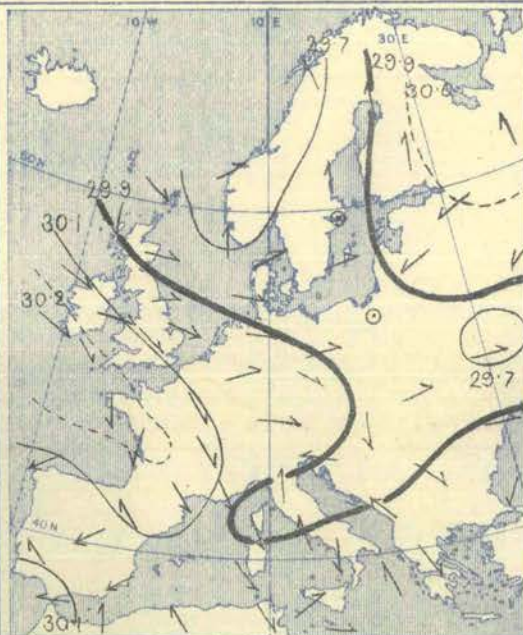


Weather in morning dull at several of our own northern, western, and central stations, with rain at Nairn and Leith. Fair or fine over the greater part of the Continent, but dull at several of the German, Austrian, and south Russian stations, with rain at Breslau, Munich, and Kharkov. Considerable fall of rain taking place during day over the northern parts of Great Britain, and showers over Germany and in many other parts of the United Kingdom; solar and lunar halos seen in the south of England.

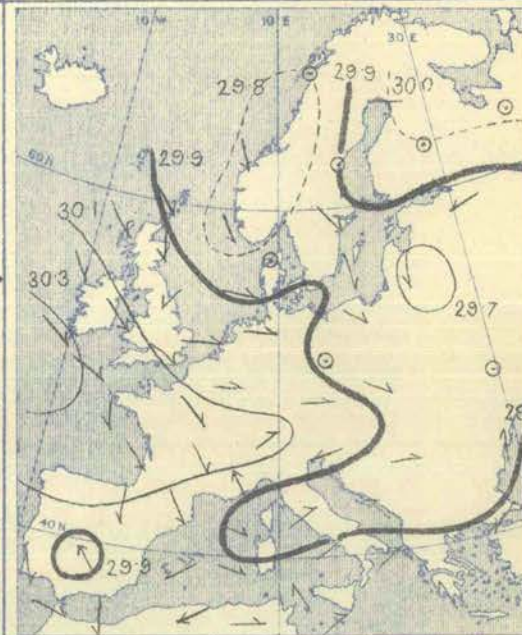
Temperature fallen a little in the western, but risen in the eastern countries. Morning readings highest, (1) 83° at Tunis, 82° at Sfax, 80° at Brindisi, and above 70° in most parts of southern Europe, (2) 68° at Archangel, 67° at Uleaborg, and 65° at Bodó and Haparanda. Lowest, (1) 51° at Shields, and 52° at Sumburgh Head, Nairn, and Leith (below 55° in many parts of the United Kingdom); (2) 50° at Limoges and 53° at Munich. Daily maxima in our Islands below 65° at all but the south coast stations, and below 60° in several parts of our western and extreme northern districts. Exceeding 70° in the south of France, reaching 84° at Nice, 90° and more in Italy and Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



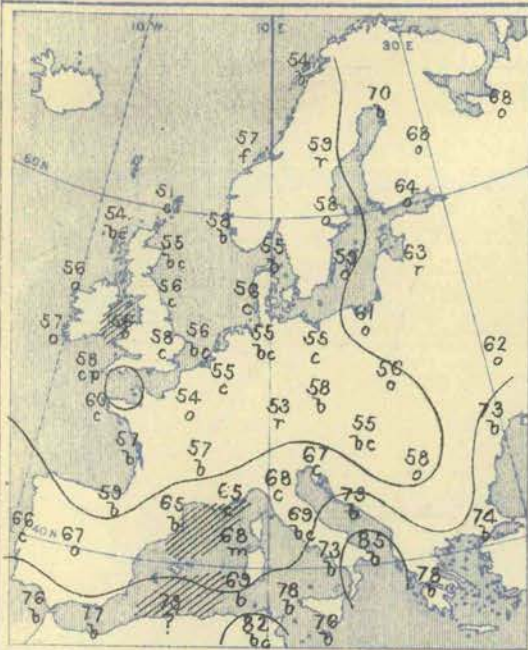
Wind light to fresh from the Westward or North-Westward over our Islands, the Netherlands, Germany, and the greater part of France, but North-Easterly or Easterly over the south-west of France and the Spanish Peninsula. Light from the Southward at most of the Scandinavian stations, Easterly over the Baltic Provinces and the Gulf of Finland. Chiefly Westerly in Austria and the south of Russia, but Southerly in Italy. No important change occurring over western Europe during day.

Barometer highest, 30.2 ins. and upwards in an anticyclone stretching from the Atlantic over the extreme south-west of our Islands, the north-west of France, and the northern parts of the Bay of Biscay, 30.0 ins. and upwards over northern Russia. Lowest, 29.7 ins. and less in a large shallow depression lying over and to the west of Norway, and also in a small system near Kiev. Small shallow secondary disturbances passing south-eastwards across our Islands during day, but barometer rising slowly in most places.

Saturday, 18th August.

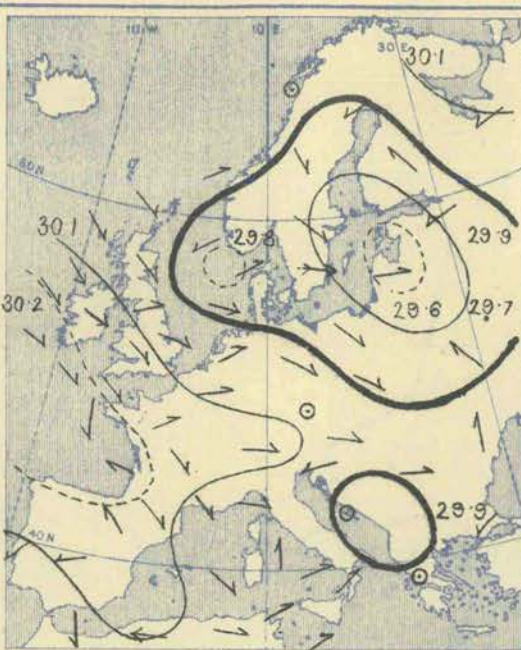
Temperature and Weather.

8 a.m.

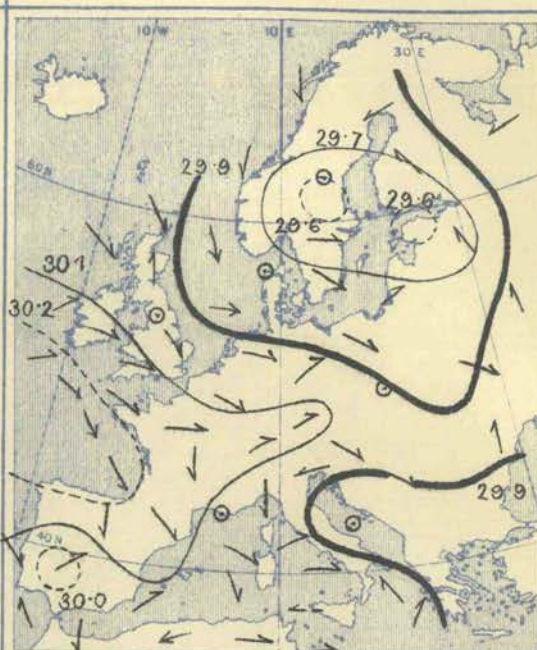


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright (1) on the southern side of the Mediterranean and (2) over Lapland, and at several Norwegian and Scotch stations; cloudy and unsettled elsewhere, with rain in several places. Rain falling later over the British Islands, northern and central Europe; thunderstorms occurring in some localities and conditions changeable generally.

Temperature highest, (1) 85° at Brindisi, 83° at Tunis, and exceeding 70° at most of the Mediterranean stations, (2) 64° to 70° over Finland and the northern parts of Russia. Lowest, 51° at Sumburgh Head, 53° at Nairn and Malin Head, and below 60° over the greater part of the United Kingdom and central Europe. Rising later to between 60° and 66° over the British Islands, to between 70° and 81° over the southern parts of France, to between 85° and 92° over Spain and Italy, and to between 90° and 100° over central Algeria.

Wind very variable in direction and in most places light in force. Cyclonic circulation of moderate breezes prevalent, however, over the Baltic, Sweden, and the northern half of Russia, and light North-Westerly to Westerly breezes over the British Islands. Backing to the South-West on our extreme north-western coasts later, and local variations observed off the east coast of England, little change elsewhere.

Barometer highest, (1) 30.2 ins. to 30.0 ins. and more over the Bay of Biscay, France, and the British Islands, (2) 30.1 ins. and more to 30.0 ins. over the north of Russia and the White Sea. Lowest, 29.5 ins. in a depression having its centre near Riga, 29.8 ins. in a secondary off the south of Norway, and below 29.9 ins. over south-eastern Europe. Fresh fall setting in over our north-western districts later, no decided change elsewhere.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 194.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
EDINBURGH	27.1	?	26	?	EASTBOURNE	26.5	?	26	?
OSWALDKIRK (Yorkshire)	30.6	?	30	?	MANCHESTER (Oldham Road)	18.6*	?	18*	?
WORKSOP	29.5	- 4.1	29	- 4	TENBY	23.2*	?	23*	?
THURCASTON (Leicestershire)	27.8	- 7.7	27	- 8	NEWQUAY	30.5	?	31	?
MARGATE	39.7	?	39	?	TORQUAY	40.3*	?	40*	?
WESTBOURNE (Sussex)	35.6*	?	35*	?	ARLEY COTTAGE (County Cavan)	15.3	?	15	?
BRIGHTON	30.7	?	30	?	GUERNSEY	41.9*	?	42*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)						Rainfall.			Bright Sunshine.		
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.				
April 21st, 1894	Newquay	—	—	—	—	—	—	—	—	—	Inches.	Inches.	40.9
28th, ..	Lairg	62	29	59.2	38.9	48.6	+ 4.6	59	9	12	0.02	- 0.49	42
May 5th, ..	Marchmont	59	27	52.7	37.6	44.7	- 0.6	37	12	5	0.89	+ 0.35	42
19th, ..	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	32
June 2nd, ..	Edenfel	66	34	55.0	40.4	47.3	- 2.3	44	4	4	0.84	+ 0.33	—
23rd, ..	Edgeworthstown	60	35	53.4	42.8	47.8	- 1.7	41	0	4	1.78	+ 4.22	—
	Churchstoke	61	32	55.2	37.7	45.9	- 6.0	45	12	5	0.66	+ 0.15	36.3
	York	—	—	—	—	—	—	—	—	—	—	—	34.0
													36.0
													4.8
													32
													3

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 34.]
Third Series.

WEEK ENDING SATURDAY, AUGUST 25TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Mean for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The Means with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The Mean Amounts are those for the corresponding periods in the twenty-five years 1865-90, but the Mean numbers of Rainy Days are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The Mean Values employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 200.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	37	59.2	46.3	52.4	2 below	Day-deg. 73	Day-deg. - 6	Day-deg. 0	Day-deg. 0	Day-deg. 1502	Day-deg. + 318	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	68	33	60.9	44.9	52.4	3 below	73	- 27	0	0	1667	+ 2	581	+ 8
	2. ENGLAND, N.E.	68	41	61.0	47.6	53.9	4 below	83	- 22	0	0	1822	+ 75	455	- 51
	3. ENGLAND, EAST.	70	43	62.2	49.8	55.6	4 below	95	- 23	0	0	2142	+ 93	471	- 100
	4. MIDLAND COUNTIES.	73	39	61.7	48.9	54.9	4 below	90	- 22	0	0	2131*	+ 100	483	- 79
5. ENGLAND, SOUTH	72	39	64.6	53.4	58.7	2 below	117	- 10	0	0	2323	+ 122	303	- 119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	39	61.4	49.2	53.4	3 below	80	- 17	0	0	1793	+ 81	345	- 69
	7. ENGLAND, N.W.	66	43	60.8	51.5	55.8	2 below	97	- 11	0	0	2032	+ 191	302	- 120
	8. ENGLAND, S.W.	71	40	62.2	52.9	57.2	2 below	106	- 10	0	0	2154*	+ 118	236	- 81
	9. IRELAND, NORTH	70	37	61.7	49.3	55.1	2 below	92	- 10	0	0	1396	+ 96	334	- 33
	10. IRELAND, SOUTH	67	45	61.8	52.4	56.8	2 below	104	- 5	0	0	2177	+ 115	217	- 67
	-CHANNEL ISLANDS	76	53	66.0	57.0	61.2	0 (average)	134	+ 3	0	0	2486	+ 221	94	- 18

DISTRICTS. (See p. 200.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of in. 3	10ths of ins. 6 less	152	- 3	27.3	+ 8.2	30	+ 8	29	+ 7	895	+ 166	35	+ 6
	1. SCOTLAND, EAST	3	4	3 less	139	+ 12	25.9	+ 6.5	54	- 4	33	- 5	1012	+ 59	35	+ 2
	2. ENGLAND, N.E.	4	5	1 less	139	+ 23	17.2	+ 1.1	27	- 5	27	- 5	1031*	+ 113	33	+ 3
	3. ENGLAND, EAST.	6	13	8 more	132	+ 18	17.1	+ 1.3	24	- 15	24	- 17	1131	- 8	36	0
	4. MIDLAND COUNTIES.	5	12	6 more	133	+ 21	16.3	- 0.8	16	- 20	16	- 21	1032	+ 28	33	+ 1
5. ENGLAND, SOUTH	6	12	7 more	130	+ 21	19.0	+ 2.5	22	- 20	23	- 20	1194	+ 10	27	+ 1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	3	7 less	148	+ 14	31.2	+ 4.2	43	+ 10	43	+ 10	1050	+ 34	33	+ 1
	7. ENGLAND, N.W.	5	13	6 more	148	+ 26	24.2	+ 3.9	21	- 11	21	- 11	969	+ 39	33	+ 1
	8. ENGLAND, S.W.	7	21	13 more	149	+ 24	26.3	+ 2.5	12	- 34	12	- 34	1181	- 41	37	- 1
	9. IRELAND, NORTH	5	5	3 less	164	+ 20	27.0	+ 5.0	27	+ 3	27	+ 3	945	+ 26	30	+ 1
	10. IRELAND, SOUTH	5	21	13 more	153	+ 21	28.6	+ 4.6	13	- 22	13	- 22	1004	- 78	32	- 2
	-CHANNEL ISLANDS	6	10	4 more	150	+ 18	23.9	+ 4.9	24	- 25	25	- 25	1291	- 100	42	- 3

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was finer than of late in Scotland, but became very unsettled, with frequent and heavy rains over the greater part of England and Ireland. Thunderstorms occurred from time to time in nearly all districts, but especially over England.

Temperature just equalled the mean in the Channel Islands, but was again low elsewhere, the deficit ranging from 2° in England S. and S.W., in Scotland N., and in Ireland, to 4° over the central and eastern parts of England. The highest of the maxima were registered, as a rule, on the 22nd, when they ranged from 73° in the Midland Counties, and 72° in England S., to 66° in Scotland N. and W., and in England N.W. In the Channel Islands, however, the thermometer was highest on Saturday, when a reading of 76° was recorded. The lowest of the minima occurred on rather irregular dates, and varied from 33° in Scotland E. and 37° in Scotland N. and Ireland N. to 45° in Ireland S. and to 53° in the Channel Islands.

Rainfall greatly exceeded the mean over most parts of England and in Ireland S.; in England S.W., and Ireland S. the fall was nearly three times as much, and in the north-western, central,

southern, and eastern parts of England, about twice as much as the mean for the time of year. In Scotland, in England N.E., and in Ireland N., however, there was a deficit.

Bright Sunshine was again very deficient generally, but exceeded the mean in Scotland N. and E. and Ireland N. The percentage of the possible duration ranged from 43 in Scotland W. and 33 in Scotland E., to 16 in the Midland Counties, 13 in Ireland S., and 12 in England S.W.

Barometer and Wind.—During the earlier days of the week the barometer continued highest in the south, while depressions moved south-eastwards over the northern parts of the Kingdom and the North Sea, and caused Northerly and North-Westerly winds to prevail generally. Towards the middle of the period, however, the distribution changed considerably, and became very complex. Small depressions appeared in the south-west and south, causing Easterly winds, which were strong at times, densely overcast skies, and the heavy rains and thunderstorms noted above.

II.—DATA from which the SUMMARY on page 199 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	60	43	57.9	47.9	52.6	- 0.1	74	0	4	0.13	- 0.60	*	*	*	*
	Stornoway	60	41	57.4	48.3	52.6	- 0.9	74	0	5	0.12	- 0.72	35.0	+ 8.1	34	+ 7
	Wick	61	40	58.1	47.3	52.4	- 1.4	73	0	3	0.86	+ 0.26	*	*	*	*
	Lairg	63	37	60.6	42.4	51.0	- 3.0	63	0	3	0.42	- 0.20	*	*	*	*
	Glencarron	65	39	59.7	44.7	51.3	- 1.7	69	0	4	0.36	- 1.14	*	*	*	*
	Fort Augustus	62	37	60.7	46.1	52.9	- 2.4	76	0	1	0.02	- 0.68	22.4	?	22	?
1. SCOTLAND, E.	Fort William	66	42	60.3	47.4	52.5	- 2.2	81	0	3	0.23	- 1.08	31.3	?	31	?
	Nairn	63	37	61.0	44.7	52.4	- 3.5	73	0	3	0.67	+ 0.07	*	*	*	*
	Aberdeen	64	42	59.0	47.7	53.0	- 2.7	77	0	3	0.76	+ 0.09	29.6	- 3.9	29	- 5
	Braemar	62	33	57.4	41.4	48.9	- 3.8	51	2	3	0.44	- 0.41	26.7	?	26	?
	Ochertyre	68	42	64.1	44.4	53.7	- 2.0	82	0	3	0.19	- 0.61	*	*	*	*
	Leith	67	42	63.6	46.1	54.3	- 3.3	86	0	2	0.11	- 0.49	*	*	*	*
2. ENGLAND, N.E.	Marchmont	63	41	60.3	44.9	52.1	- 3.2	71	0	2	0.25	- 0.55	30.5	?	30	?
	Alnwick Castle	63	42	58.3	45.9	51.7	- 4.1	68	0	3	0.29	- 0.41	*	*	*	*
	Durham	66	41	62.3	45.3	53.3	- 4.0	79	0	6	0.64	+ 0.02	24.4	- 8.1	24	- 8
	Shields	63	44	59.7	46.6	52.8	- 4.3	76	0	4	0.41	- 0.19	*	*	*	*
	Scarborough	64	45	61.9	48.5	54.8	- 2.8	90	0	5	0.71	+ 0.13	*	*	*	*
	York	68	42	63.7	46.9	54.8	- 3.5	90	0	3	0.71	+ 0.13	29.5	- 2.3	30	- 1
3. ENGLAND, E.	Spurn Head	62	40	59.9	52.1	55.8	- 3.2	97	0	4	0.46	+ 0.04	*	*	*	*
	Hillington	63	44	62.7	48.1	55.0	- 4.2	91	0	5	0.59	+ 0.01	23.7	- 13.3	24	- 15
	Yarmouth	65	48	61.6	52.3	56.7	- 3.0	103	0	6	1.01	+ 0.55	*	*	*	*
	Gedeston	63	45	62.0	49.4	55.3	- 4.2	93	0	6	0.98	+ 0.52	21.9	- 20.1	22	- 21
	Cambridge	70	45	63.1	49.3	55.8	- 4.5	97	0	6	1.43	+ 0.94	26.4	- 11.9	27	- 13
	Rothamsted	67	43	61.5	49.8	55.3	- 3.9	93	0	6	2.26	+ 1.71	?	?	?	?
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall)	67	41	62.9	48.1	55.1	- 3.6	92	0	3	0.73	+ 0.21	*	*	*	*
	Loughborough	73	46	63.7	49.9	56.4	- 3.2	101	0	5	1.16	+ 0.57	*	*	*	*
	Stamford (Ketton Hall)	71	42	62.9	47.6	54.8	- 4.7	90	0	6	0.99	+ 0.45	*	*	*	*
	Cheadle	66	43	59.4	48.2	53.5	- 3.0	81	0	4	0.96	+ 0.14	*	*	*	*
	Churchstoke	69	42	60.2	48.3	53.9	- 3.2	83	0	6	1.39	+ 0.79	16.6	- 19.4	17	- 20
	Hereford	70	41	61.6	50.0	55.5	- 3.9	95	0	7	2.20	+ 1.75	*	*	*	*
5. ENGLAND, S.	Cirencester	65	39	61.3	48.4	54.5	- 3.4	88	0	6	1.13	+ 0.44	9.8	- 30.0	10	- 29
	Oxford	69	43	61.7	50.6	55.8	- 4.0	97	0	6	1.22	+ 0.73	12.7	- 27.1	13	- 23
	London	72	44	64.1	52.3	57.9	- 3.4	111	0	5	1.63	+ 1.13	18.4	- 16.8	19	- 18
	North Foreland	66	48	64.6	54.4	59.2	- 0.5	120	0	6	0.40	?	*	*	*	*
	Stratfield Turgiss	67	39	63.6	50.4	56.6	- 3.6	102	0	6	1.65	+ 1.17	*	*	*	*
	Dungeness	68	45	65.1	54.7	59.6	- 1.8	123	0	6	0.30	- 0.18	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	67	47	64.3	53.8	58.7	- 2.8	117	0	6	0.41	- 0.13	28.3	- 15.7	29	- 16
	Southampton	72	45	66.1	53.4	59.4	- 1.6	122	0	6	1.30	+ 0.73	17.5	- 27.1	18	- 27
	Hurst Castle	71	50	65.7	56.0	60.6	- 0.6	130	0	5	2.26	+ 1.71	*	*	*	*
	Stowell	67	47	63.1	52.4	57.4	- 1.2	108	0	6	1.64	?	*	*	*	*
	Laudale (Loch Sunart)	65	44	61.0	46.4	53.3	- 2.9	79	0	?	?	- 1.20	*	*	*	*
	Glasgow	64	45	60.7	46.3	53.1	- 2.7	78	0	2	0.22	- 0.63	48.1	+ 19.6	48	+ 20
7. ENGLAND, N.W.	Ardrossan	66	46	61.9	48.4	54.8	- 2.8	90	0	2	0.12	- 0.70	*	*	*	*
	Glenlee	65	37	63.0	42.2	52.0	- 3.4	70	0	3	0.07	- 0.91	*	*	*	*
	Douglas (Isle of Man)	62	44	60.6	47.9	53.9	- 2.6	83	0	4	0.85	+ 0.04	37.8	+ 0.1	38	0
	Stonyhurst	64	43	59.8	48.3	53.7	- 3.8	82	0	4	1.66	+ 0.59	23.4	- 9.7	23	- 11
	Blackpool	65	49	62.2	51.7	56.6	- 1.9	102	0	3	1.19	+ 0.18	26.3	- 8.2	26	- 9
	Manchester (Prestwich)	66	44	60.0	49.7	54.5	- 3.4	88	0	5	1.28	+ 0.52	20.4	?	20	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	65	50	61.1	52.4	56.5	- 2.7	102	0	5	1.17	+ 0.53	*	*	*	*
	Llandudno	63	42	61.1	53.8	57.2	- 2.9	106	0	5	0.97	+ 0.36	19.3	- 15.7	19	- 15
	Holyhead	62	51	60.3	52.9	56.4	- 3.0	101	0	5	1.52	+ 0.86	*	*	*	*
	Llandoverly	71	40	62.6	49.4	55.6	- 3.6	95	0	7	1.63	+ 0.59	*	*	*	*
	Pembroke	63	53	60.3	54.7	57.3	- 2.0	107	0	7	1.83	+ 1.19	13.2	- 31.1	13	- 32
	Bristol (Montpelier)	68	49	63.1	52.8	57.6	- 2.0	109	0	6	1.46	+ 0.72	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	65	48	61.3	51.7	56.2	- 2.1	99	0	7	2.09	+ 0.99	*	*	*	*
	Cullompton	68	48	64.2	53.5	58.5	- 0.8	116	0	7	2.28	+ 1.65	7.3	- 33.4	7	- 34
	Falmouth	67	53	62.5	54.7	58.4	- 1.7	115	0	7	2.26	+ 1.46	13.3	- 32.6	14	- 33
	Plymouth	66	47	63.0	53.1	57.8	- 3.0	111	0	7	2.18	+ 1.57	7.2	- 36.4	7	- 37
	Prawle Point	63	50	60.3	53.0	56.3	- 3.1	100	0	7	2.87	+ 2.43	*	*	*	*
	Malin Head	59	50	58.3	52.0	55.0	- 1.8	91	0	3	0.18	?	*	*	*	*
10. IRELAND, S.	Londonderry	70	45	64.2	48.2	55.7	- 1.4	96	0	4	0.23	- 0.65	*	*	*	*
	Edenfel (Omagh)	66	37	61.7	45.9	53.3	- 3.0	79	0	5	0.13	- 0.67	*	*	*	*
	Belmullet	64	47	61.4	52.3	56.6	- 2.1	102	0	4	0.20	?	*	*	*	*
	Markree Castle	68	39	62.9	47.9	55.0	- 1.1	91	0	7	0.33	- 0.48	29.3	+ 1.5	29	+ 2
	Brookeborough	67	38	62.6	47.6	54.7	- 1.2	89	0	5	0.39	- 0.36	*	*	*	*
	Armagh	64	40	61.6	47.6	54.2	- 2.6	85	0	5	0.64	- 0.01	29.7	+ 3.2	30	+ 3
CHANNEL ISLANDS.	Donaghadee	66	?	61.7	?	54.9	?	113	0	5	0.29	- 0.40	*	*	*	*
	Edgeworthstown	63	39	60.7	47.4	53.7	- 2.8	82	0	3	1.62	+ 0.87	*	*	*	*
	Dublin	66	47	62.2	52.1	56.9	- 1.8	104	0	4	2.32	+ 1.78	17.4	- 18.6	18	- 13
	Parsonstown	66	45	62.6	48.7	55.2	- 2.4	92	0	4	2.15	+ 1.37	16.9	- 15.1	17	- 16
	Kilkenny	67	45	62.1	51.0	56.2	- 1.8	99	0	5	1.78	+ 0.98	*	*	*	*
	Roche's Point	68	52	61.6	53.7	57.4	- 1.7	108	0	6	3.21	+ 2.34	*	*	*	*
CHANNEL ISLANDS.	Valencia	64	52	61.6	54.9	58.1	- 0.6	113	0	7	1.60	+ 0.51	4.9	- 31.0	5	- 31
	Killarney	65	51	61.8	53.6	57.5	- 0.8	109	0	5	1.46	?	*	*	*	*
	Foynes	64	50	60.7	52.7	56.5	- 1.3	102	0	7	2.12	?	*	*	*	*
	Scilly (St. Mary's)	66	55	63.3	56.6	59.8	- 0.5	125	0	6	0.84	+ 0.26	18.2	?	19	?
	Jersey	76	53	68.6	57.3	62.6	+ 0.1	144	0	6	1.13	+ 0.55	29.1	- 24.9	30	- 25

Stations marked $\mathcal{M}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

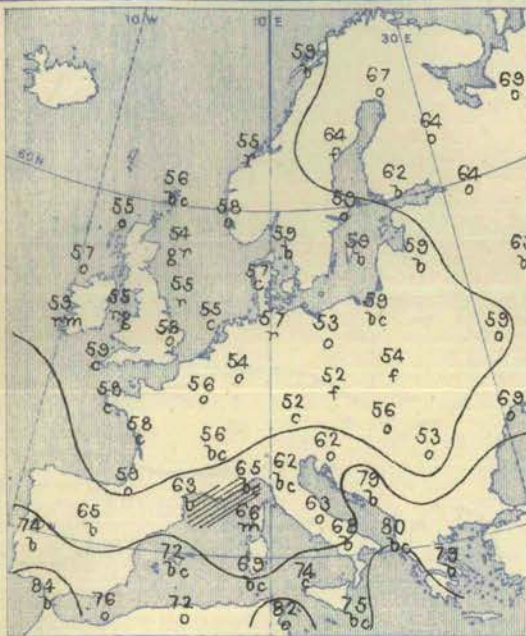
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 19th August.

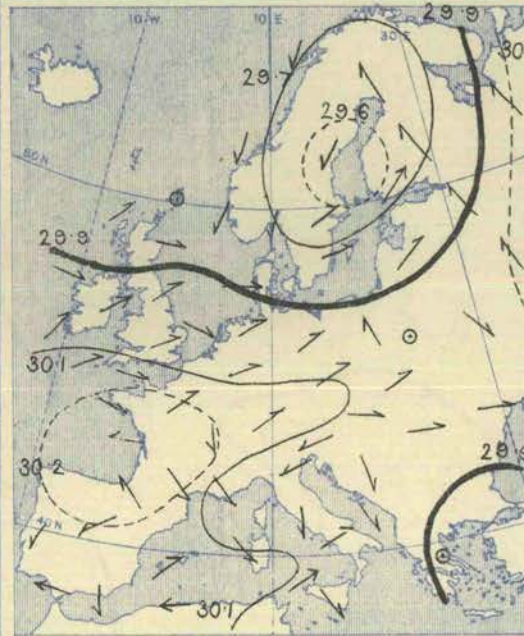
Temperature and Weather.

8 a.m.

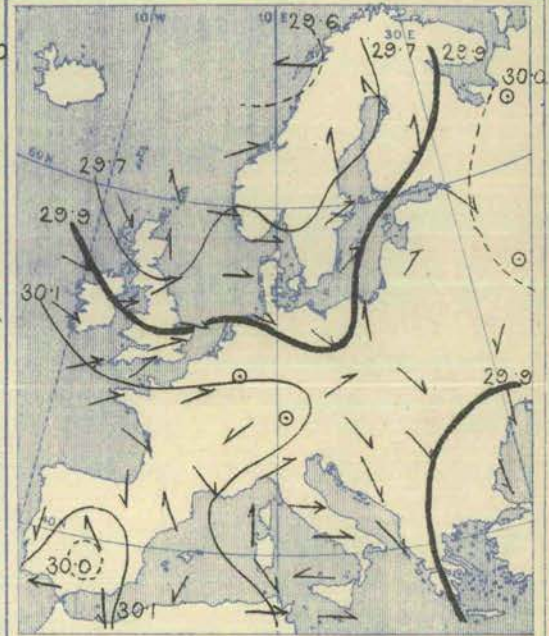


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, southern Europe, and central Russia; cloudy or overcast and very unsettled elsewhere, with rain over several parts of the north-western countries. Heavy rain in Scotland, at Münster, Utrecht, Cracow, and Lemberg later. Showers over north-western Europe generally, and considerable falls over Germany.

Temperature in morning highest, 82° at Sfax, 80° at Brindisi, 79° at Athens; below 70° at most Italian, Spanish, Finnish, and Russian stations. Lowest, below 60° over the British Isles, Norway, and central Europe, and as low as 54° at Nairn and Aberdeen, 55° at York, Stornoway, and Christiansund. Rising later to between 60° and 66° over many parts of the British Islands, to 70° in the west of France, 77° at Nice, 86° at Lisbon, 93° at Brindisi, and 90° to 102° in some parts of Algeria.

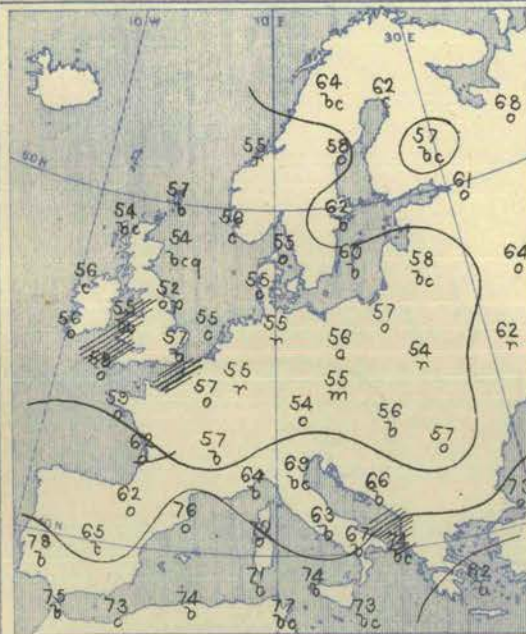
Wind very variable and light over southern, south-eastern, and eastern Europe; moderate in the north-west and north, (1) Westerly to Southerly over the British Isles, (2) Northerly in Norway; Westerly over northern Germany and the Baltic; South-Easterly over Finland. An anticyclonic system prevalent over the Bay of Biscay and France. Becoming Westerly to North-Westerly over Ireland and the Irish Sea later, and increasing greatly in force.

Barometer highest, 30.3 ins. in an anticyclone covering the Bay of Biscay, Spain, France, central Europe, and the south of England, and exceeding 30.0 ins. over central and northern Russia. Lowest, 29.6 ins. and less in a depression over Sweden, and below 29.8 ins. in the Hebrides and north of Scotland. New depression advancing over Scotland from the north-westward later, and anticyclone over western Europe moving slowly southwards.

Monday, 20th August.

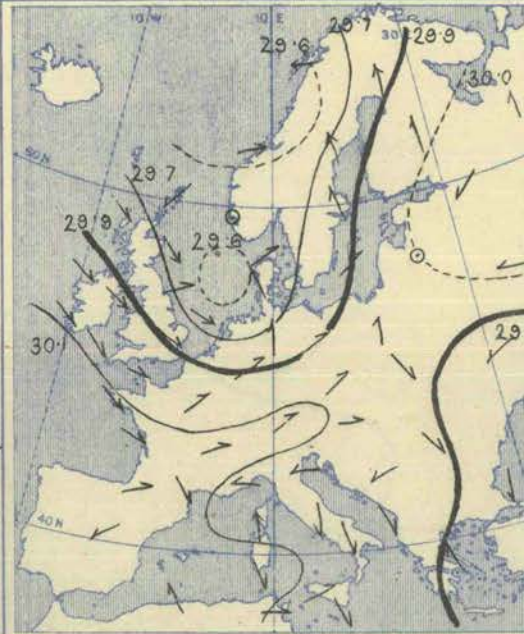
Temperature and Weather.

8 a.m.

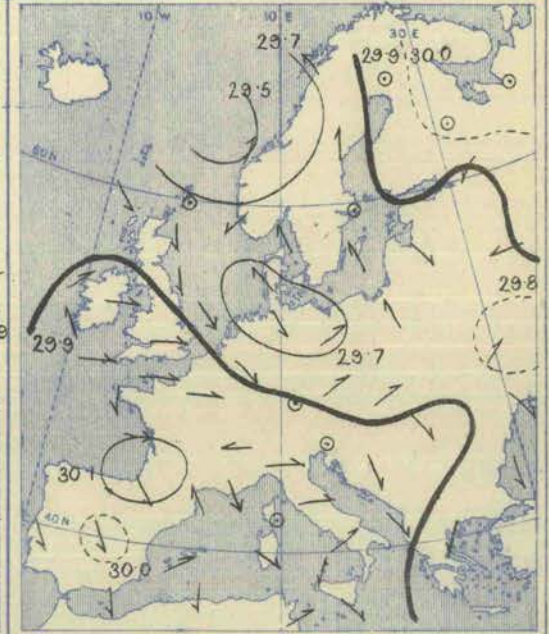


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright in the extreme south, and also in the extreme north of Europe, very changeable elsewhere, but temporarily clear in several parts of the British Islands. Rain falling later over Russia, Germany, and the Netherlands, and later still in the south-west of the United Kingdom, showers in many parts of Scotland and the north of France; thunderstorm at Yarmouth about noon, and in some parts of Germany later.

Temperature fallen in far south. Morning readings highest, (1) 82° at Athens, and exceeding 70° over the southern shores of the Mediterranean generally; (2) 68° at Archangel and also at Kharkov, 64° at Bodö, 62° at Hangö and Stockholm. Below 60° over the British Islands and central Europe, and as low as (1) 52° at Shields and Malin Head, 53° at Loughborough and Yarmouth; (2) 52° at Cracow, 53° at Breslau. Rising later to between 60° and 68° over the United Kingdom, still higher over France, and to 83° at Perpignan, 80° to 90° over Italy, and above 90° over central Algeria; succeeding night cold over England.

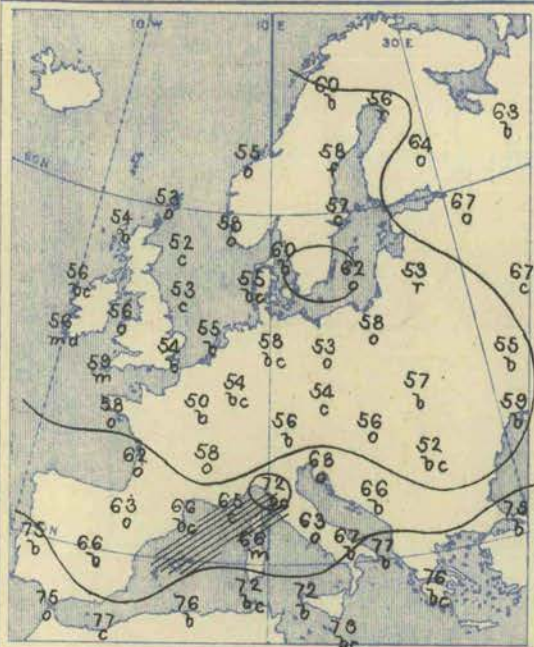
Wind North-Westerly to Westerly over our Islands, very strong over the Irish Sea, fresh over England, South-Westerly, light to moderate, over Germany, Southerly and South-Easterly over Denmark and the Gulf of Bothnia. Very variable in direction and light in force over all the southern and south-eastern countries. Falling light over England later, backing in Ireland as far as to South-South-East at Valencia.

Barometer highest, 30.2 ins. to 30.0 ins. over the Bay of Biscay, Spain, France, and south Germany, and exceeding 30.0 ins. over the northern half of Russia. Lowest, 29.6 ins. and less in a depression off the north-west of Norway, and below 29.7 ins. in a large secondary over the North Sea. Falling decidedly in Ireland later, and fall spreading northwards and eastwards.

Tuesday, 21st August.

Temperature and Weather.

8 a.m.

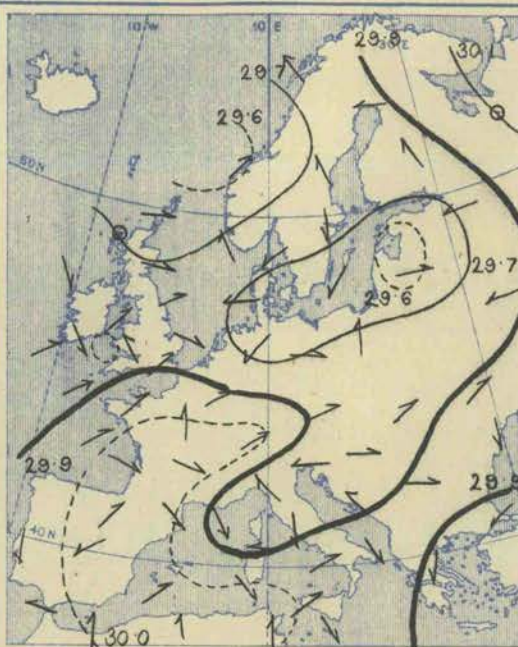


Weather in morning fine and bright at most of the Mediterranean stations, as well as over south-eastern Europe, at Archangel, and at Bodö; cloudy or overcast in most other places, rainy in the south-west of our Islands, in several parts of central Europe, and at most of the Finnish stations. Rain falling later (but in small quantities) over the greater part of our Islands and north-western Europe, and heavy falls in the north of Sweden, at Memel, and at Trieste. Fog observed at several of our south-western and western stations.

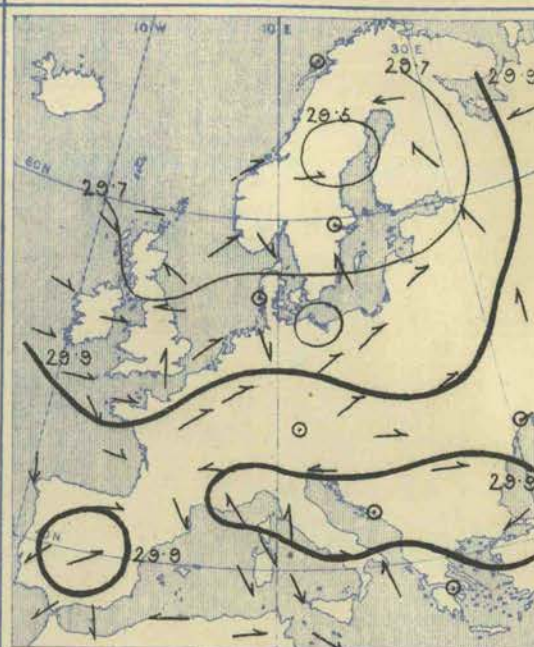
Temperature below 80° everywhere, but exceeding 70° at most of the Mediterranean stations, and exceeding 60° over southern Europe generally, as well as over Russia. Lowest, (1) 51° at Loughborough, 52° at Oxford, York, Malin Head, and Aberdeen, 54° at Parsonstown and Spurn Head; (2) 50° at Paris and Munich, 53° at Berlin, 54° at Prague and Warsaw. Rising later to between 60° and 64° over the greater part of our Islands, to 77° at Nice, 86° at Palermo, 88° at Perpignan, and 90° to 104° over Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



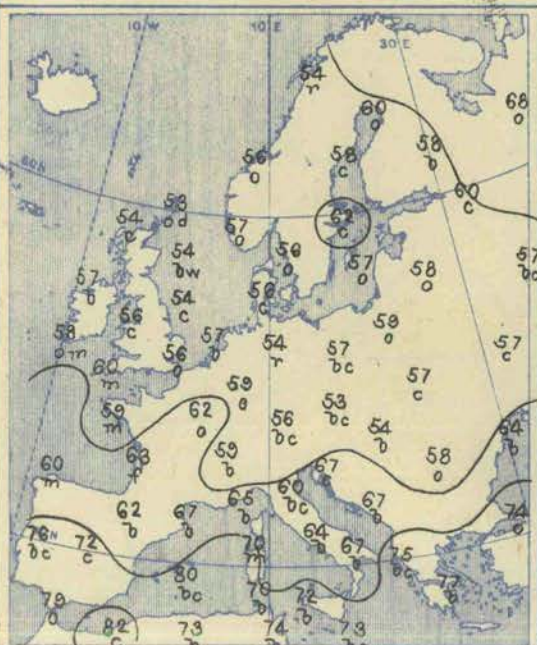
Wind light to moderate in most places, but extremely variable in direction; chiefly South-Westerly to Westerly over the Channel, north of France, and north Germany, but South-Easterly in the extreme north of Europe and northerly over the Baltic. Varying considerably in direction during day, but remaining light to moderate in force.

Barometer highest, 30.1 ins. to 29.9 ins. (1) over France, Spain, and the Mediterranean, and (2) over the White Sea and north of Russia. Lowest, 29.6 ins. and less (1) over the Baltic Provinces, and (2) off the west coast of Norway; and below 29.8 ins. in a small depression near Pembroke. Changing little and irregularly during the day, beyond the movement south-eastwards of the Continental high-pressure system.

Wednesday, 22nd August.

Temperature and Weather.

8 a.m.

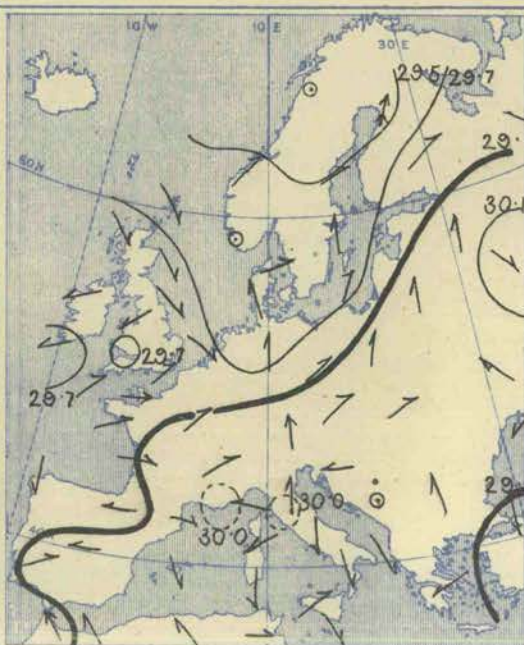


Weather in morning still fine and bright over southern and south-eastern Europe and the greater part of Russia, as well as over many parts of Ireland, Scotland, and the north-east of England; dull and unsettled, however, over north-western Europe as a whole, misty, damp, and showery in the south-western parts of the British Islands. Showers again in the northern districts later, heavy rains setting in on our south-western coasts, and very showery weather over the Channel and north of France; thunderstorms and considerable rain over the Baltic Provinces.

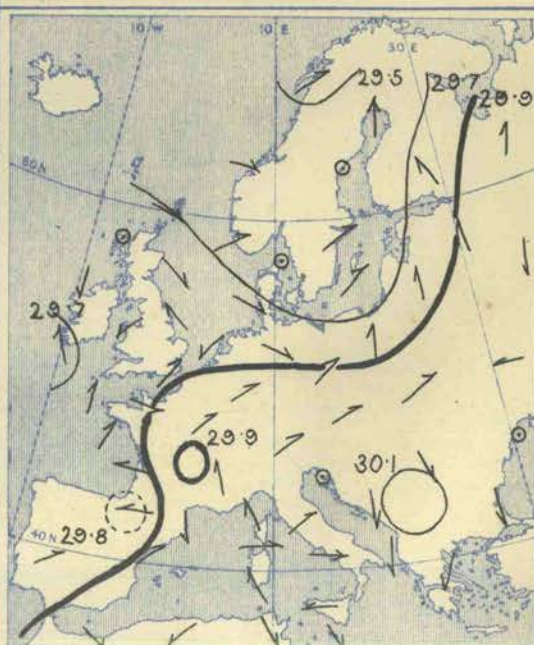
Temperature rising a little over England. Morning readings still exceeding 70° at the Mediterranean stations (52° at Oran and 80° at Palma), and exceeding 60° over the western parts of France and the north of Russia. Below 60° over the British Islands and central Europe, and, lowest, (1) 53° at York, 54° at Bodö, and several Scotch stations; (2) 52° at Vienna, 54° at Wiesbaden and Cracow also. Rising later to between 70° and 73° over England, and to between 80° and 84° in the south of France, to 86° at Palermo, and more than 95° over Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



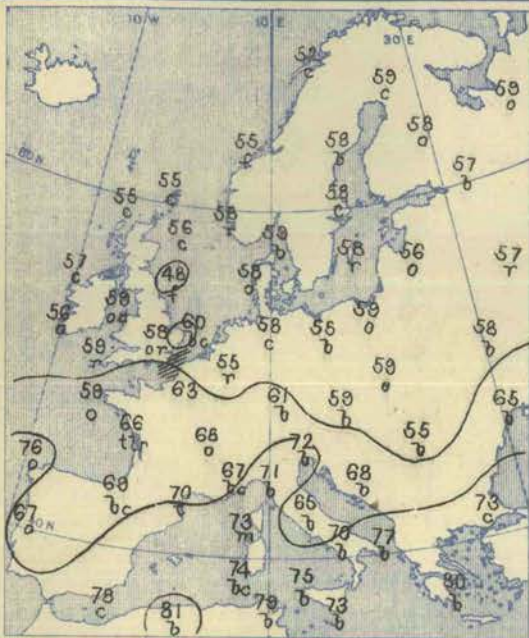
Wind very variable. (1) Light North-Westerly over Scotland, moderate over the east of England, Southerly, light over Germany and the Baltic, moderate to strong over Finland. (2) Becoming Easterly on our own western coasts, but Westerly to South-Westerly over France, variable over the Mediterranean. South-Easterly and Easterly winds becoming more general later, both in our Islands and over the Bay of Biscay.

Barometer highest, 30.1 ins. and more over central Russia, and exceeding 30.0 ins. over Hungary, the south of France, and greater part of the Mediterranean. Lowest, below 29.5 ins. over Lapland and the northern parts of Sweden and Norway, and below 29.7 ins. in some new depressions of little size over the south-western parts of our Islands. Further shallow disturbances appearing over the west of France later, and moving very uncertainly.

Thursday, 23rd August.

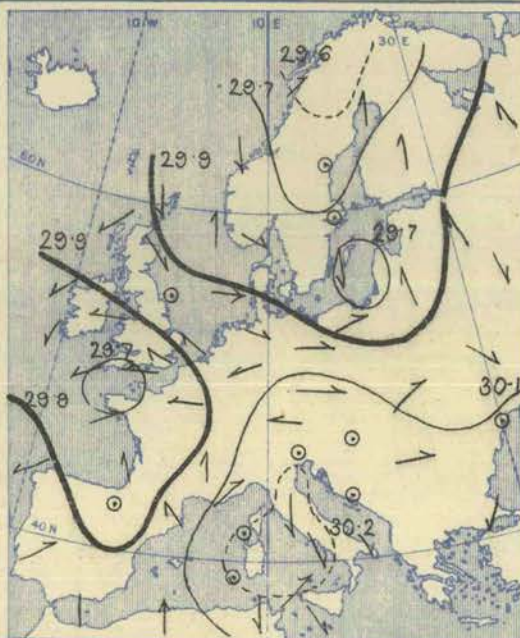
Temperature and Weather.

8 a.m.

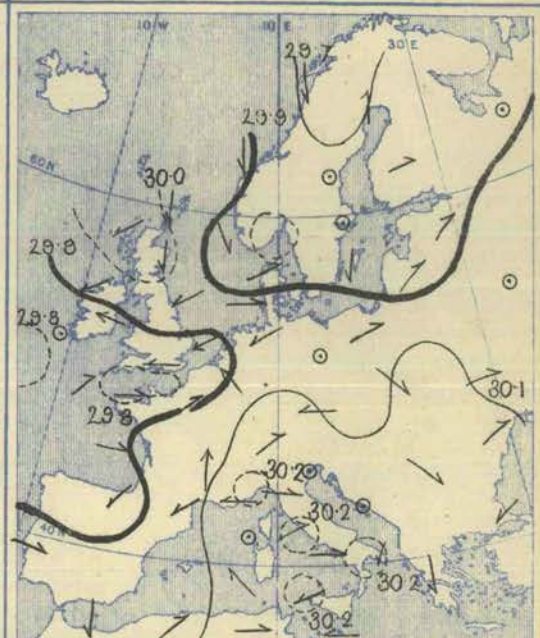


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine over the Mediterranean and improving over the northern parts of the British Islands; very dull and unsettled, however, over the southern parts of the United Kingdom, with rain and very heavy cloud canopy. Much rain later over our south-western and southern counties, in the north of France, and in north Germany, thunder and lightning at the Continental stations, smaller quantities of rain at most of our northern stations, and a heavy fall at Haparanda.

Temperature in morning 81° at Aumale, 80° at Athens; exceeding 70° at most of the stations in southern Europe, and exceeding 60° over the greater part of France. Below 60° elsewhere, and, lowest of all, 46° at Münster, 48° at Shields (where fog prevailed); 52° at Haparanda and York, 54° at Nairn, 55° at Malin Head and Brussels, as well as at Hermanstadt. Not exceeding 61° over our southern counties later, but touching 66° at some of our northern stations, 77° at Munich, and 79° to 85° over the southern parts of France.

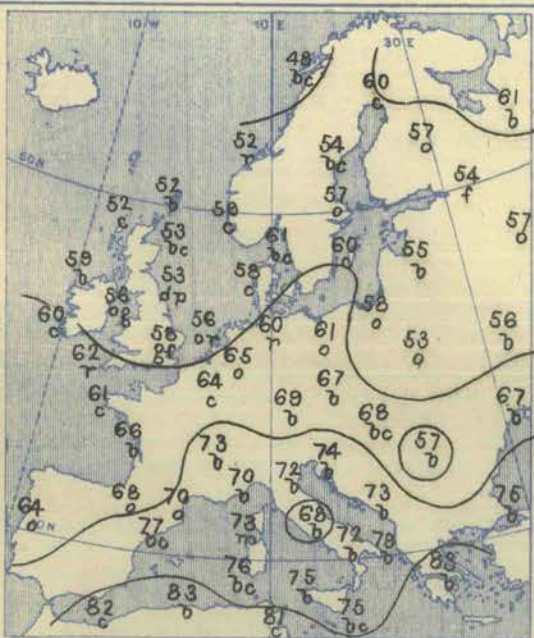
Wind (1) light and anticyclonic over southern and eastern Europe; (2) Easterly, light to moderate, over the greater part of the British Islands, Southerly to Westerly in many parts of France; (3) Northerly over Norway, Southerly over the Baltic Provinces and Finland. Becoming Southerly and South-Westerly over Hampshire later, calm in the south-west of Ireland and in London.

Barometer highest, 30.2 ins. and more to 30.0 ins. over the Mediterranean, Italy, central and south-eastern Europe, and exceeding 29.9 ins. in a "col" stretching thence over the eastern and northern parts of Great Britain; exceeding 30.0 ins. over the central and north-eastern parts of Russia, and apparently to the north-westward of Stornoway also. Lowest, (1) 29.7 ins. and less in a depression lying over the western parts of the English Channel; (2) 29.6 ins. and less to 29.7 ins. in depressions of irregular form over Lapland, Sweden, and the Baltic. Depression over Channel moving north-eastwards slowly later, and partially filling up; barometer rising in north and north-east.

Friday, 24th August.

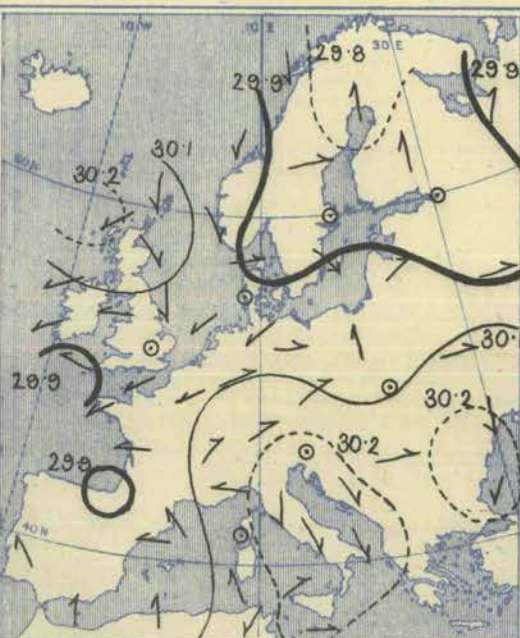
Temperature and Weather.

8 a.m.

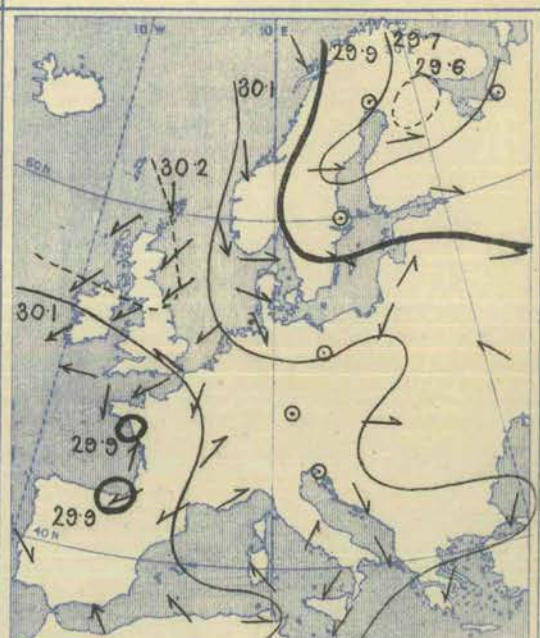


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright (1) over the Mediterranean, southern and eastern Europe, (2) over the north of Russia, (3) over Scotland and the north of Ireland; dull and very unsettled elsewhere, especially over the southern half of England. Heavy rain falling over Brittany, the Channel, and south of England at night, and thunderstorms occurring at most stations in those regions, as well as at the Scaw. Thunderstorms very general later over France and north Germany, rain in Norway and Lapland.

Temperature in morning highest, 83° to 86° at several Algerian stations, above 70° over southern Europe generally, and above 60° at several stations in France and Germany, as well as at Archangel and Haparanda. Lowest, 48° at Bodö, 52° at Christiansund, Sumburgh Head, and Stornoway, 53° at Shields and Oxford. Failing to reach 60° in most parts of Scotland later, but touching 71° at Hurst Castle, 72° at Jersey, and 80° to 86° in the south of France, and reaching 95° and more over Algeria.

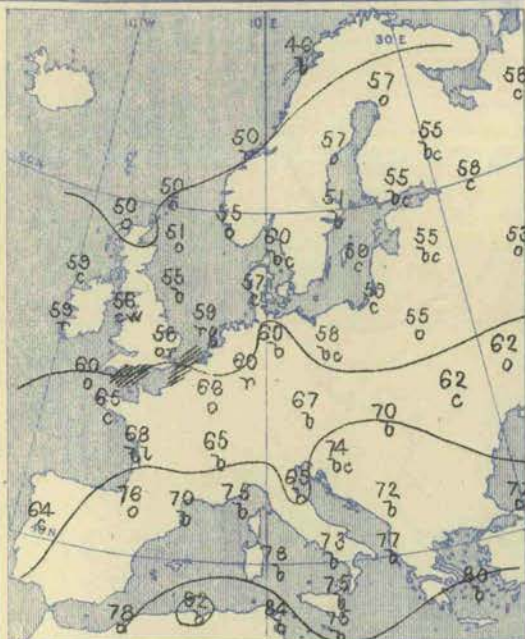
Wind light from North and North-East in the northern parts of our Islands, moderate Easterly in the south; variable from the Northward over Scandinavia, and from West and South-West over Germany; very variable over France and the Mediterranean. The Easterly wind increasing in force at our south-western and southern stations later, but backing to North over Brittany and shifting to South at Rochefort.

Barometer highest, 30.2 ins. and more to 30.1 ins. in two high-pressure systems, one over the Mediterranean, south-eastern and southern Europe, the other over Scotland, the north of Ireland, and adjacent parts of the Atlantic. Lowest, 29.9 ins. and less in depressions over the Bay of Biscay and off the mouth of the Channel, 29.8 ins. and less to 29.9 ins. in a rather complex one over northern Europe. Further complications appearing over France later, and spreading northwards to our southern counties.

Saturday, 25th August.

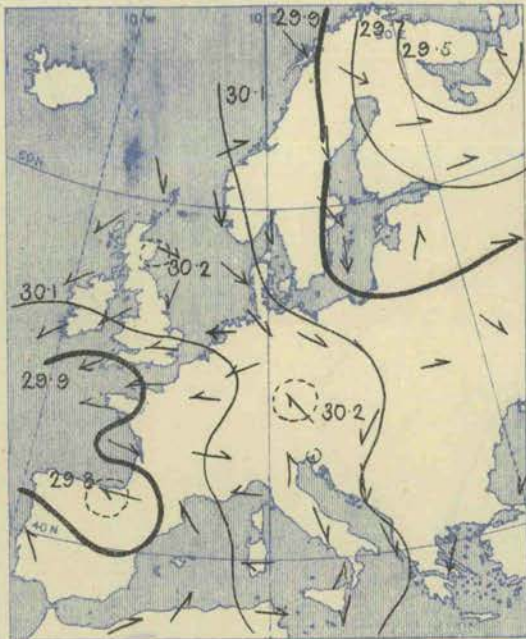
Temperature and Weather.

8 a.m.

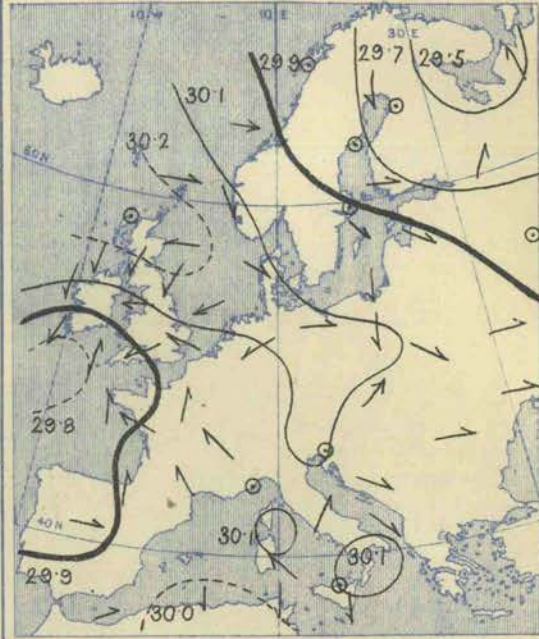


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the Mediterranean, southern and south-eastern Europe, also over the northern parts of the British Islands; very unsettled over the southern parts of Ireland and England, the north of France, Scandinavia, and the Baltic, with rain in many places, and a thunderstorm at Oxford. Much rain and thunder later in Ireland, the south-west of England, and the west and south-west of France, and considerable falls over the south of England and northern Europe, as well as at Riga, lightning very general over the south of England.

Temperature very low for time of year except in the far south. Morning readings highest, 92° at Algiers, 82° at Barcelona, and exceeding 70° at most Mediterranean stations. Lowest, (1) 46° at Boz, 49° to 51° over the greater part of Scotland, and below 60° over northern Europe generally. Daily maxima below 65° over our Islands as a whole, but touching 76° at Jersey, 81° at Munich, 83° at Paris, and 82° to 84° in the south of France; 90° and more in the south of Italy and 104° at Algiers.

Wind (1) moderate to fresh from the Northward over Scandinavia, and from North-West and West over north Germany, westerly over the Gulf of Finland, South-Westerly at Riga, South-Easterly at Archangel. (2) Northerly in Scotland, Easterly (strong) over Ireland, England, and Brittany, very variable over France. Falling calm over Scotland later, and backing to North-West over Scandinavia.

Barometer highest, 30.3 ins. to 30.2 ins. over Scotland and the north of England, and exceeding 30.1 ins. over the Netherlands, Germany, Austria, and Italy. Lowest, (1) below 29.5 ins. over the White Sea and north of Russia; (2) 29.3 ins. to 29.0 ins. in complex depressions over Spain, the Bay of Biscay, and the mouth of the English Channel. Falling at our own stations later, rising slightly over Sweden.

GENERAL NOTES.

At the commencement of this week, pressure was highest (30.1 ins. and more) (1) over the Atlantic and the greater part of France, and (2) over central and eastern Russia, a col. lying across central Europe, joining the two systems. Depressions of considerable area but little depth appeared over the northern countries, bringing with them showery, unsettled weather; and others were found over south-eastern Europe, but were still more shallow and unimportant.

Gradually, however, the high-pressure area in the west moved south-eastwards to southern and eastern Europe, and a new one just showed itself in the extreme north-west. Large disturbances of no great depth continued to appear over northern Europe, while numerous small ones advanced to the south-western and southern parts of the British Isles, and to France from the south-westward, and others were developed within the area referred to. Severe thunderstorms and heavy falls of rain accompanied these systems, with the result, that in Ireland and the southern half of England the rainfall was twice or three times as large as the mean for the period, and in some limited localities still heavier. Temperature was low, the clouds dense and gloomy.

At the close of the week, however, the disturbances were becoming less serious.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 200.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	47.9	?	47	?	EASTBOURNE	20.0	?	20	?
OSWALDKIRK (Yorkshire)	25.5	?	26	?	MANCHESTER (Oldham Road)	15.6*	?	16*	?
WORKSOP	21.0	-11.0	21	-11	TENBY	13.5*	?	14*	?
THURCASTON (Leicestershire)	19.5	-14.5	20	-14	NEWQUAY	14.2	?	14	?
MARGATE	19.4	?	20	?	TORQUAY	12.3*	?	13*	?
WESTBOURNE (Sussex)	23.4*	?	24*	?	ARLEY COTTAGE (County Cavan)	21.8	?	22	?
BRIGHTON	27.4	?	28	?	GUERNSEY	25.9*	?	27*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)					Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.							
June 30th, 1894	York	—	—	—	—	—	—	—	—	65.4	+27.3	55	+24
July 7th, "	Arley	—	—	—	—	—	—	—	—	48.4	—	41	—
" 14th, "	Lairg	82	48	71.2	51.3	60.6	+5.9	130	0	67.7	+30.2	58	+27
" 21st, "	York	66	45	64.6	49.7	56.7	-1.1	103	0	31.5	-8.2	28	-7
" 28th, "	Churchstoke	68	50	64.7	53.0	58.3	-1.1	114	0	—	—	—	—
	Scarborough	67	51	63.9	54.7	59.0	-0.5	110	0	—	—	—	—

WEEKLY WEATHER REPORT

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Vol. XI. No. 35.]
Third Series.

WEEK ENDING SATURDAY, SEPTEMBER 1ST, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 29 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 206.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	39	58.4	48.2	53.0	0 (average)	Day-deg. 77	Day-deg. 0	Day-deg. 0	Day-deg. 0	Day-deg. 1669	Day-deg. +318	Day-deg. 495	Day-deg. - 51
	1. SCOTLAND, EAST	70	36	61.6	46.5	53.6	1 below	81	- 14	0	0	1748	- 12	581	+ 8
	2. ENGLAND, N.E.	72	44	62.5	50.8	56.3	0 (average)	100	- 1	0	0	1932	+ 74	455	- 51
	3. ENGLAND, EAST	76	43	63.2	50.2	58.9	0 (average)	118	+ 5	0	0	2260	+ 98	471	-100
	4. MIDLAND COUNTIES	75	43	63.3	49.3	58.2	1 above	113	+ 5	0	0	2244	+105	483	- 79
5. ENGLAND, SOUTH	80	45	60.6	53.3	61.0	1 above	133	+10	0	0	2456	+132	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	40	60.1	49.1	54.3	1 below	86	- 7	0	0	1879	+ 74	345	- 69
	7. ENGLAND, N.W.	66	48	61.7	52.9	57.1	1 below	106	+ 2	0	0	2138	+193	302	-120
	8. ENGLAND, S.W.	76	38	68.5	50.7	59.1	1 above	120	+ 7	0	0	2274	+125	236	- 81
	9. IRELAND, NORTH	63	44	59.1	51.4	55.1	1 below	92	- 6	0	0	1938	+ 90	334	- 33
	10. IRELAND, SOUTH	66	45	61.2	52.4	56.6	1 below	102	- 4	0	0	2379	+111	217	- 67
	—CHANNEL ISLANDS	80	55	67.9	57.3	62.3	2 above	142	+14	0	0	2628	+235	94	- 18

DISTRICTS. (See p. 206.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 2	10ths of ins. 7 less	156	- 3	37.5	+ 7.5	12	-14	13	- 14	907	+152	34	+ 5
	1. SCOTLAND, EAST	2	2	5 less	141	+10	26.1	+ 6.0	20	-14	21	- 15	1032	+ 45	34	+ 1
	2. ENGLAND, N.E.	3	4	2 less	142	+22	17.6	+ 0.9	22	- 8	23	- 8	1053	+104	33	+ 3
	3. ENGLAND, EAST	1	less than ½	5 less	133	+15	17.1	+ 0.7	37	0	39	0	1168	- 7	33	0
	4. MIDLAND COUNTIES	1	less than ½	6 less	134	+18	16.8	- 1.4	34	0	36	0	1066	+ 28	33	+ 1
5. ENGLAND, SOUTH	1	less than ½	5 less	131	+19	19.0	+ 2.0	52	+10	55	+ 10	1246	+ 18	27	0	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	2	8 less	150	+11	31.4	+ 3.4	16	-16	17	- 15	1066	+ 18	32	0
	7. ENGLAND, N.W.	1	less than ½	8 less	149	+23	24.2	+ 3.1	16	-16	17	- 16	985	+ 24	33	+ 1
	8. ENGLAND, S.W.	1	less than ½	8 less	150	+21	26.3	+ 1.7	62	+20	64	+ 21	1243	- 22	38	0
	9. IRELAND, NORTH	4	2	6 less	163	+18	27.2	+ 4.4	4	-22	4	- 23	949	+ 4	30	+ 1
	10. IRELAND, SOUTH	1	1	7 less	164	+18	28.7	+ 3.9	7	-26	7	- 28	1011	-105	31	- 1
	—CHANNEL ISLANDS	1	3	4 less	161	+14	24.2	+ 4.6	68	+15	73	+ 19	1358	- 85	43	- 1

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was much finer and drier over England than for many weeks past. A good deal of haze or slight fog, however, was experienced in many parts of the Kingdom, and the conditions over Ireland and Scotland were generally dull.

Temperature did not differ very materially from the mean, but was a little above it in the Midland Counties, England S. and S.W., and the Channel Islands. The highest of the maxima were recorded either on the 26th or 31st, and ranged from 80° in England S. and the Channel Islands, and 76° in England E. and S.W. to 63° in Scotland N. and Ireland N. The lowest of the minima were recorded on rather irregular dates, and ranged from 36° in Scotland E., and 38° in England S.W., to 45° in England N.W., and to 55° in the Channel Islands.

Rainfall was less than the mean in all districts; over the greater part of England the fall was scarcely appreciable.

Bright Sunshine varied greatly in different parts of the Kingdom; over the southern and south-western parts of England and in the Channel there was a considerable excess, while in the Midland Counties and England E. the amount recorded was just equal to the normal. Elsewhere there was a deficit, that over Ireland being very striking. The percentage of the possible duration ranged from 73 in the Channel Islands, 64 in England S.W., and 55 in England S., to between 13 and 21 in Scotland, and to between 4 and 7 over Ireland.

Barometer and Wind.—The distribution of barometric pressure during this period was anticyclonic, with light Westerly and North-Westerly winds in the north, and light or moderate North-Easterly and Easterly winds in the south. No depression of importance appeared in our immediate neighbourhood.

II.—DATA from which the SUMMARY on page 205 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
Inches Inches.																
0. SCOTLAND, N.	Sumburgh Head . . .	59	47	56.3	49.1	52.5	+ 0.3	74	0	5	0.21	-0.53	*	*	*	*
	Stornoway . . .	60	47	57.9	49.7	53.6	+ 0.9	81	0	6	0.20	-0.68	12.6	-14.0	13	-14
	Wick . . .	62	44	58.9	48.9	53.6	+ 0.3	81	0	5	0.17	-0.43	*	*	*	*
	Laing . . .	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Glencarron . . .	61	43	57.3	46.1	51.4	- 1.3	66	0	5	0.71	-0.79	*	*	*	*
	Fort Augustus . . .	63	39	60.2	47.0	52.3	- 1.2	79	0	1	0.11	-0.63	10.7	?	11	?
1. SCOTLAND, E.	Fort William . . .	63	42	59.8	48.4	53.8	- 1.2	83	0	2	0.03	-1.35	13.9	?	14	?
	Nairn . . .	64	36	60.7	46.3	53.1	- 1.9	73	0	3	0.17	-0.43	*	*	*	*
	Aberdeen . . .	67	40	60.0	47.4	53.3	- 1.7	79	0	3	0.08	-0.53	18.0	-14.0	18	-15
	Braemar . . .	66	40	59.2	44.6	51.5	- 0.3	67	0	1	0.04	-0.80	16.6	?	17	?
	Ochtertyre . . .	70	37	65.0	44.6	54.2	- 0.8	85	0	1	0.02	-0.79	*	*	*	*
	Leith . . .	68	44	63.1	50.0	56.2	- 0.6	99	0	3	0.42	-0.18	*	*	*	*
2. ENGLAND, N.E.	Marchmont . . .	67	40	61.6	46.0	53.4	- 1.0	80	0	2	0.35	-0.46	25.3	?	26	?
	Alnwick Castle . . .	65	45	60.7	49.6	54.9	+ 0.1	90	0	4	0.51	-0.20	*	*	*	*
	Durham . . .	72	44	63.4	48.7	55.6	- 0.8	95	0	3	0.41	-0.20	19.2	-11.3	20	-11
	Shields . . .	65	45	60.9	51.1	55.7	- 0.7	96	0	3	0.60	+0.04	*	*	*	*
	Scarborough . . .	67	50	62.9	51.3	56.8	+ 0.1	104	0	3	0.45	-0.14	*	*	*	*
	York . . .	70	49	65.3	50.9	57.7	+ 0.3	110	0	3	0.06	-0.54	24.1	- 6.2	25	- 5
3. ENGLAND, E.	Spurn Head . . .	68	52	61.9	53.3	57.3	- 1.1	107	0	2	0.13	-0.30	*	*	*	*
	Hillington . . .	75	46	68.8	48.6	58.1	0.0	113	0	1	0.01	-0.59	33.3	- 1.7	35	- 3
	Yarmouth . . .	70	49	64.6	52.7	59.2	+ 0.3	120	0	1	0.01	-0.47	*	*	*	*
	Geldeston . . .	75	46	68.6	50.2	59.0	+ 0.2	119	0	3	0.03	-0.48	34.2	- 5.8	36	- 6
	Cambridge . . .	76	46	70.6	50.4	59.9	+ 0.6	125	0	0	—	-0.50	44.0	+ 7.6	46	+ 7
	Rothamsted . . .	75	43	68.2	49.0	58.1	0.0	113	0	1	0.01	-0.57	?	?	?	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall) . . .	68	43	65.9	48.1	56.5	- 1.4	102	0	2	0.06	-0.44	*	*	*	*
	Loughborough . . .	75	45	70.7	51.1	60.3	+ 1.4	128	0	2	0.03	-0.57	*	*	*	*
	Stamford (Ketton Hall) . . .	74	43	70.0	48.1	58.5	- 0.1	118	0	1	0.01	-0.59	*	*	*	*
	Cheadle . . .	67	46	65.0	50.2	57.2	+ 1.5	103	0	1	0.01	-0.82	*	*	*	*
	Churchstoke . . .	71	43	67.7	47.5	57.0	+ 0.8	105	0	0	—	-0.64	33.1	+ 3.9	40	+ 4
	Hereford . . .	72	43	69.1	49.3	58.6	+ 0.2	116	0	0	—	-0.58	*	*	*	*
5. ENGLAND, S.	Cirencester . . .	72	43	67.7	50.1	58.5	+ 1.5	116	0	1	0.04	-0.64	40.3	+ 2.9	42	+ 4
	Oxford . . .	75	45	70.0	49.7	59.2	+ 0.1	120	0	0	—	-0.30	40.9	+ 2.9	43	+ 4
	London . . .	78	48	70.9	52.4	61.1	+ 0.6	134	0	0	—	-0.50	38.4†	+ 5.4†	40†	+ 5†
	North Foreland . . .	76	54	66.0	56.7	61.1	+ 2.6	134	0	1	0.07	?	*	*	*	*
	Strathfield Turgiss . . .	76	45	70.9	49.6	59.6	+ 0.4	123	0	2	0.03	-0.47	*	*	*	*
	Dungeness . . .	80	48	69.4	53.4	60.9	+ 0.3	132	0	1	0.01	-0.50	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards) . . .	70	52	67.9	55.9	61.6	+ 0.9	137	0	0	—	-0.57	50.7	+ 8.6	53	+ 9
	Southampton . . .	78	49	72.5	52.4	62.0	+ 1.7	140	0	0	—	-0.59	58.2	+15.8	61	+17
	Hurst Castle . . .	73	52	70.1	55.3	62.3	+ 1.7	142	0	0	—	-0.53	*	*	*	*
	Stowell . . .	75	48	69.4	50.9	59.6	+ 1.9	123	0	1	0.01	?	*	*	*	*
	Laudale (Loch Sunart) . . .	62	43	59.6	48.9	53.9	- 1.6	83	0	4	0.08	-1.19	*	*	*	*
	Glasgow . . .	61	45	59.0	48.5	53.4	- 1.7	80	0	2	0.24	-0.64	12.9	-13.9	13	-14
7. ENGLAND, N.W.	Ardrossan . . .	63	45	59.6	50.1	54.6	- 2.2	88	0	2	0.26	-0.55	*	*	*	*
	Glenlee . . .	67	40	62.0	47.0	54.1	- 0.4	85	0	2	0.21	-0.78	*	*	*	*
	Douglas (Isle of Man) . . .	64	48	60.3	51.1	55.4	- 0.3	94	0	1	0.03	-0.80	18.9	- 7.9	20	- 7
	Stonyhurst . . .	63	49	60.3	51.7	55.8	- 0.3	97	0	2	0.02	-1.06	19.1	-12.9	20	-14
	Blackpool . . .	64	48	62.7	53.0	57.6	+ 0.1	109	0	0	—	-0.80	16.7	-15.9	17	-17
	Manchester (Prestwich) . . .	64	50	62.5	53.2	57.5	+ 0.4	109	0	0	—	-0.80	15.9	?	17	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston) . . .	66	51	62.1	53.3	57.4	- 1.0	108	0	0	—	-0.65	*	*	*	*
	Llandudno . . .	66	49	62.0	53.3	57.4	- 1.4	108	0	3	0.03	-0.62	16.2	-16.8	17	-16
	Holyhead . . .	64	51	60.6	52.9	56.5	- 1.6	102	0	0	—	-0.68	*	*	*	*
	Llandovery . . .	76	38	72.0	45.1	57.7	- 0.2	110	0	1	0.01	-1.04	*	*	*	*
	Pembroke . . .	65	50	63.1	51.9	57.2	- 1.2	106	0	0	—	-0.63	58.1	+16.4	61	+18
	Bristol (Montpellier) . . .	75	47	70.8	51.2	60.4	+ 1.4	129	0	0	—	-0.75	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon) . . .	71	44	67.9	47.3	57.0	0.0	105	0	1	0.01	-1.09	*	*	*	*
	Cullompton . . .	76	44	71.3	48.5	59.5	+ 1.7	123	0	1	0.01	-0.67	56.4	+17.8	59	+19
	Falmouth . . .	68	52	65.2	54.7	59.6	+ 0.4	123	0	1	0.02	-0.36	66.8	+23.6	70	+25
	Plymouth . . .	70	50	68.7	52.5	60.2	+ 0.2	127	0	0	—	-0.68	61.8	+20.1	65	+22
	Prawle Point . . .	71	53	68.1	54.3	60.8	+ 1.8	132	0	0	—	-0.45	*	*	*	*
	Malin Head . . .	60	51	57.3	52.1	54.5	- 1.5	88	0	4	0.21	?	*	*	*	*
10. IRELAND, S.	Londonderry . . .	62	48	59.4	51.6	55.3	- 1.0	93	0	5	0.63	-0.25	*	*	*	*
	Edenfel (Omagh) . . .	60	44	53.3	49.4	53.6	- 1.9	81	0	4	0.29	-0.51	*	*	*	*
	Belmullet . . .	62	50	58.6	52.7	55.5	- 2.9	95	0	6	0.19	?	*	*	*	*
	Markree Castle . . .	63	44	59.6	50.3	54.7	- 0.8	89	0	6	0.20	-0.61	2.5	-23.5	3	-23
	Brookeborough . . .	63	49	60.2	51.5	55.6	+ 0.7	95	0	2	0.15	-0.62	*	*	*	*
	Armagh . . .	63	48	59.7	50.8	55.0	- 1.0	91	0	4	0.09	-0.61	4.6	-21.4	5	-23
CHANNEL ISLANDS.	Donaghadee . . .	63	50	60.1	52.4	56.0	+ 0.1	98	0	4	0.30	-0.44	*	*	*	*
	Edgeworthstown . . .	61	48	59.1	51.8	55.3	- 0.4	93	0	0	—	-0.74	*	*	*	*
	Dublin . . .	62	51	59.9	53.4	56.5	- 1.4	102	0	1	0.09	-0.51	0.8	-34.0	1	-35
	Parsonstown . . .	64	51	60.4	52.1	56.0	- 0.8	98	0	1	0.10	-0.67	4.5	-26.3	5	-28
	Kilkenny . . .	63	52	60.7	53.9	57.1	- 0.3	106	0	1	0.24	-0.56	*	*	*	*
	Roche's Point . . .	65	50	62.1	53.1	57.8	- 0.5	111	0	1	0.02	-0.93	*	*	*	*
CHANNEL ISLANDS.	Valencia . . .	65	45	62.3	50.7	56.2	- 2.1	99	0	0	—	-1.12	14.1	-20.2	15	-20
	Killarney . . .	66	45	62.4	50.9	56.4	- 1.2	101	0	1	0.07	?	*	*	*	*
	Foynes . . .	61	51	59.6	52.9	56.0	- 1.2	98	0	1	0.47	?	*	*	*	*
	Scilly (St. Mary's) . . .	66	55	63.4	56.6	59.8	0.0	125	0	1	0.16	-0.48	72.0	?	76	?
	Jersey . . .	80	56	72.4	58.0	64.8	+ 3.0	160	0	1	0.40	-0.24	67.3	+15.4	72	+10

Stations marked $\mathfrak{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathfrak{S}$ with the Scottish Meteorological Society.

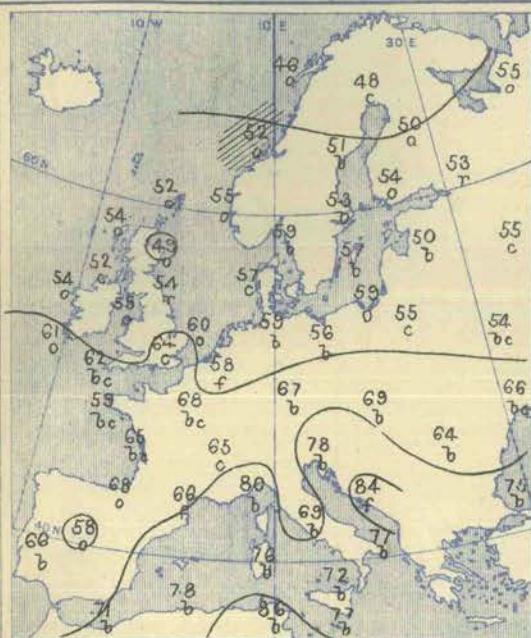
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory, and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 26th August.

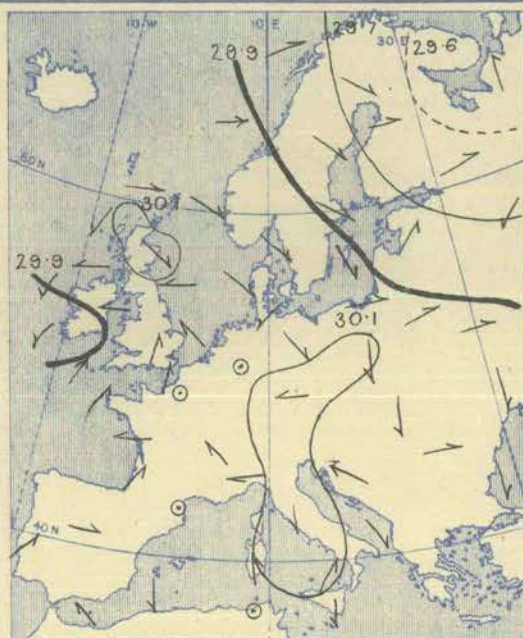
Temperature and Weather.

8 a.m.

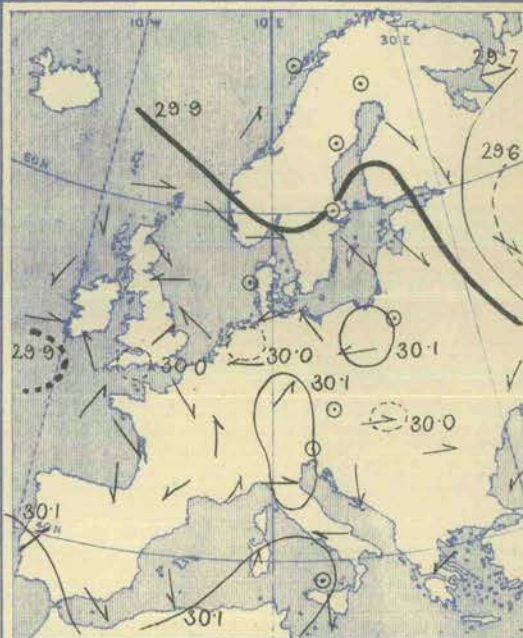


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over south-eastern, central, and southern Europe, as well as at the Swedish and Baltic stations and the south-eastern parts of England, dull elsewhere, rainy in the east of Ireland and north of England, as well as at St. Petersburg. Rain later in the west of Norway, in Scotland, and the north of Ireland, thunderstorm over Belgium, the north of France, and Channel Islands; much lightning at night in the south of England. Very heavy rainfall at Moscow.

Temperature in morning highest, 86° at Tunis, 84° at Lesina, and exceeding 70° at the Mediterranean and Adriatic stations generally, as well as at Constantinople. Below 60° over north-western, northern, and eastern Europe generally; lowest, (1) 46° at Bodö, 48° at Uleaborg, 50° at Helsingfors and Riga; (2) 40° at Aberdeen, 51° at Nairn, 52° at Sumburgh Head, Ardrossan, and Malin Head. Rising later to between 73° and 78° over the inland parts of England, to 80° at Paris, 86° at Lyons, and 90° and more at Nice, Clermont, and over Austria, and touching 113° Fahr. at Laghouat.

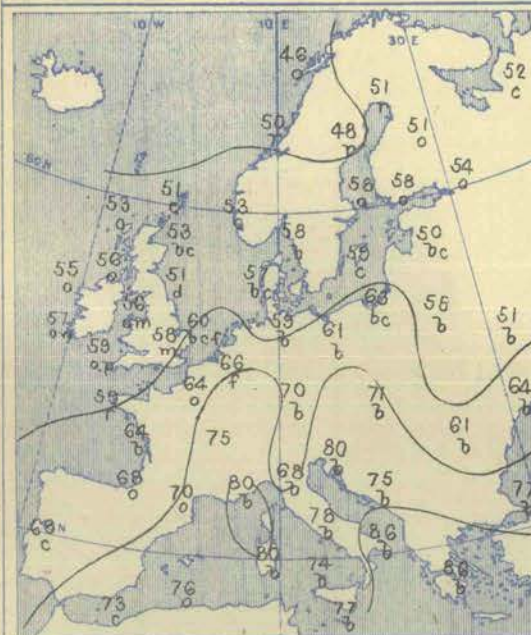
Wind light to strong from North-West over Scandinavia and the Baltic, calm in Scotland, light Easterly over the northern parts of England and Ireland, but light South-Westerly in the south. Extremely light and variable over France, central and southern Europe generally. Backing a little over northern Europe later, no general change elsewhere.

Barometer highest, 30.1 ins. to 30.0 ins. over southern, western, and central Europe, the North Sea, and Scotland, but local irregularities in many regions. Lowest, 29.6 ins. and less to 29.7 ins. over the north of Russia and Finland, and below 29.9 ins. in a depression off the south of Ireland. Rising at our western stations later, falling over Russia, where a large shallow depression was developed by the evening.

Monday, 27th August.

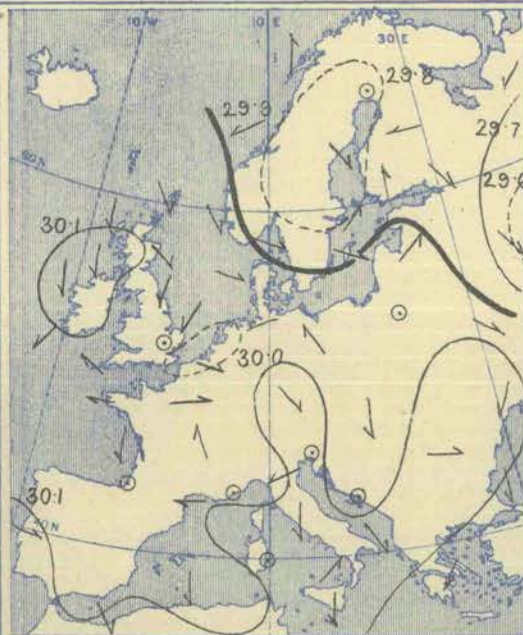
Temperature and Weather.

8 a.m.

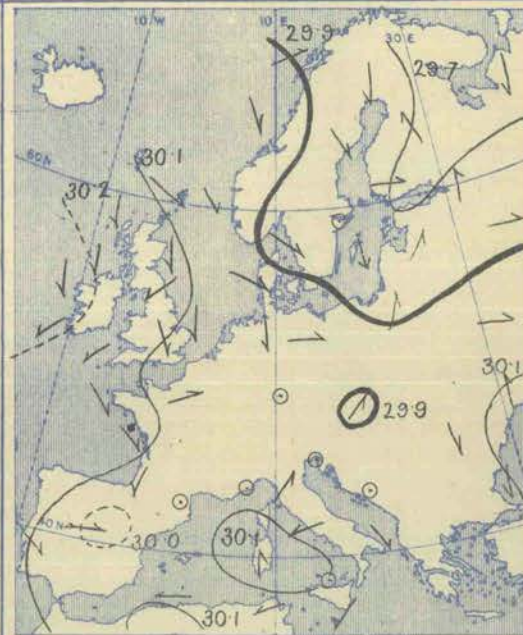


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine and bright over the Mediterranean and the greater part of central Europe, very dull over our Islands and the more northern countries, with fog or haze in many places, and some rain in others. Heavy rain at Haparanda later, and small quantities at nearly all our most northern and eastern stations, and in countries lying to the eastward of the North Sea; sky clearing at some English stations in evening.

Temperature changed very irregularly; fallen over the southern half of England. Morning readings exceeding 90° at Athens, Entras, Brindisi, and Sfax, and exceeding 70° over the coasts of the Mediterranean generally. Lowest, (1) 45° at Uleaborg, 46° at Bodö, 48° at Hernoand, and below 55° over the most northern stations generally; (2) 53° at Parsonstown, 55° at Oxford. Rising later to 70° or more at some of our own stations, to 79° at Paris, 82° at Berlin, 84° at Munich, and 90° to 95° in the south of France and some parts of Italy.

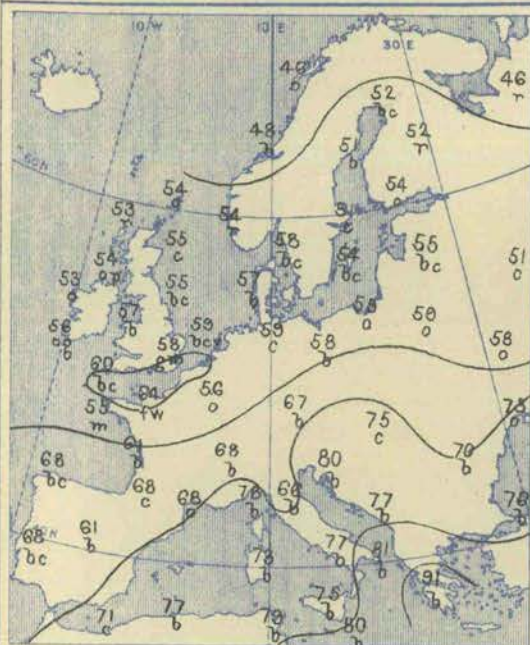
Wind extremely variable and light over the British Islands, western, central, and southern Europe; rather stronger (and cyclonic) over Scandinavia and the Baltic; North-North-Easterly to North-Westerly over Russia. Becoming Northerly to North-Easterly over the British Islands later, but remaining light in force as a whole; cyclonic circulation over northern Europe moving eastwards; circulation over central Russia breaking up.

Barometer in morning highest, 30.1 ins. and more to 30.0 ins. over the British Islands, western, central, southern, and south-eastern Europe, the local irregularities very slight. Lowest, 29.6 ins. and less in a depression over central Russia, 29.8 ins. and less in another over the northern half of Sweden, and below 30.0 ins. in a small and very shallow system over Belgium and the extreme south-east of England. Rising throughout our Islands and western Europe later; depression over Russia filling up.

Tuesday, 28th August.

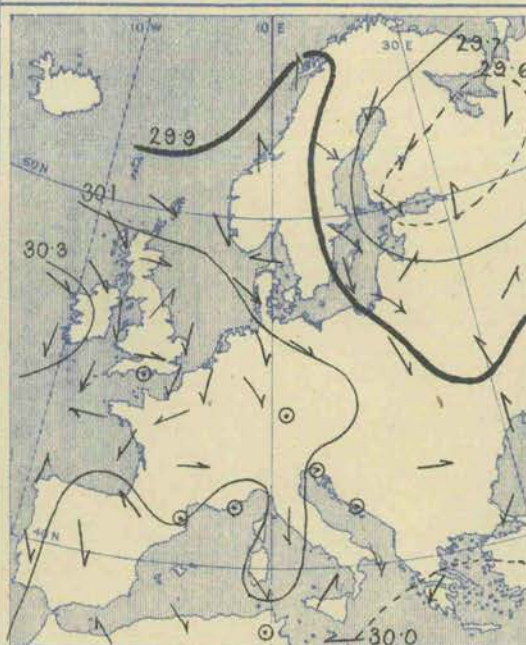
Temperature and Weather.

8 a.m.

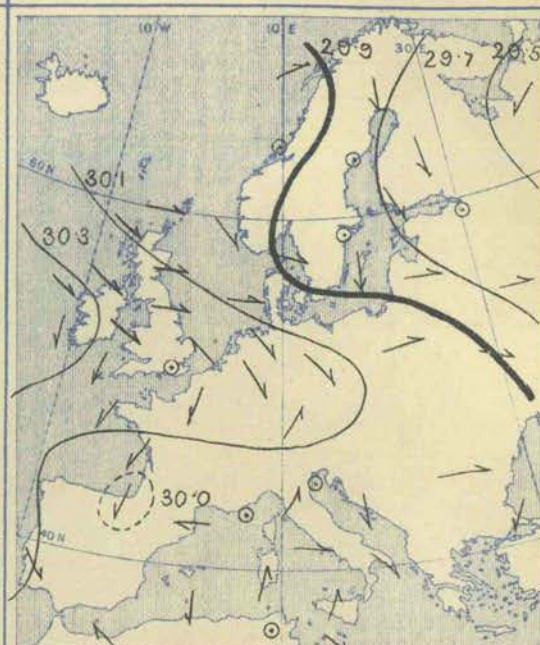


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, Spain, France, Germany, Denmark, and Sweden; fair over the United Kingdom (but cloudy or foggy in many places), dull over northern Europe, with rain at several stations. Slight rain later over the northern and western parts of Scotland, Ireland, and rather larger quantities at the Helder and Munich, and considerable falls over Russia; fog clearing temporarily on our Channel coast.

Temperature fallen over Scandinavia and many parts of France. Morning readings highest, 91° at Patras, 86° at Athens, 81° at Brindisi; exceeding 70° over southern Europe generally. Lowest, 46° at Archangel and Bodö, 48° at Christiansund, 49° at Karlstadt, 51° at Stockholm, 54° at Nairn and York. Falling to reach 70° in our Islands later, except at Dungeness and Jersey, but touching 75° at Paris, 79° at Munich, 86° at Nice, 90° to 95° over Austria-Hungary, Italy, and Algeria. Considerable local irregularities noted.

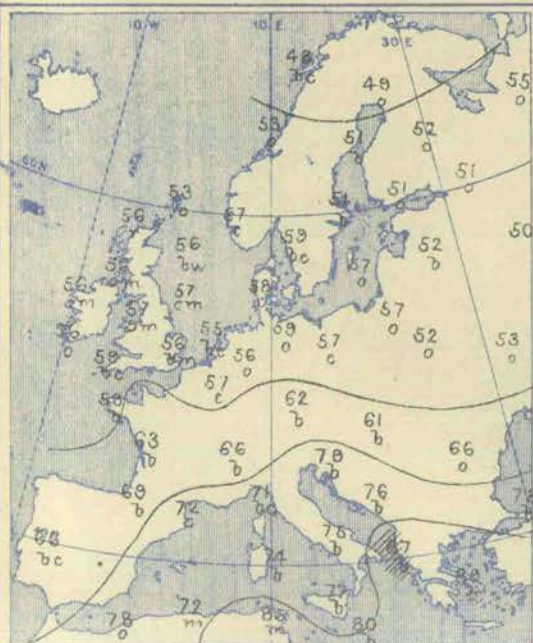
Wind (1) light and anticyclonic over the British Islands and their neighbourhood, North-Westerly and Westerly in the north, and North-Easterly and Northerly in the south. (2) North-Westerly, strong, at the Swedish and Baltic stations, South-Westerly, very light, at Moscow. Southerly at St. Petersburg, but North-Easterly over the northern half of Finland.

Barometer highest, 30.3 ins. and more over Ireland and adjacent parts of the Atlantic, and exceeding 30.1 ins. in a ridge extending thence across our Islands and France to western Germany. Lowest, 29.6 ins. and less in a depression over Finland and the north of Russia, but little above 30.0 ins. over Algeria, Spain, and Italy, and below 30.0 ins. over Greece. No great change later.

Wednesday, 29th August.

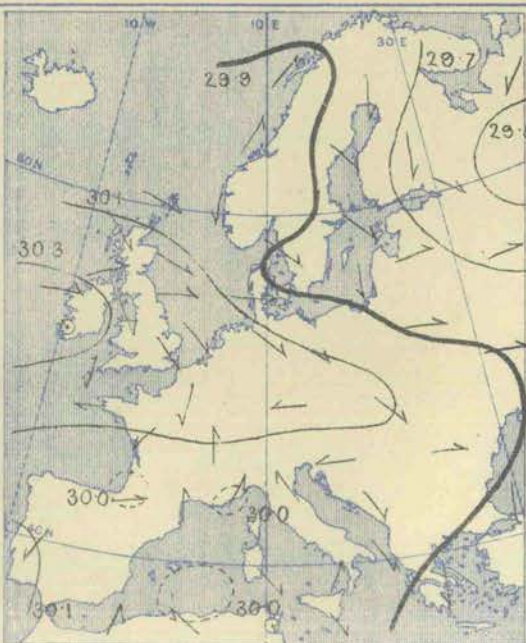
Temperature and Weather.

8 a.m.

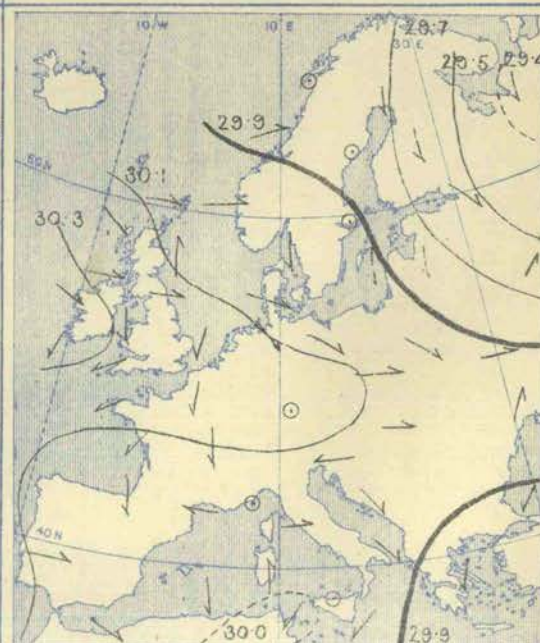


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine over the Mediterranean, fair over western Europe generally, foggy or hazy in many parts of our Islands and rainy at Stornoway, fine and bright over the Baltic and Sweden, dull over Russia and central Europe. Rain falling later at the Norwegian, north German, and other Baltic stations, some showers in the north and west of Scotland and at Malin Head. Hazy over the United Kingdom during the day, foggy in many places at night.

Temperature in morning exceeding 80° at several Mediterranean stations, exceeding 70° at the others, exceeding 60° on the western coasts of the Peninsula and France and in Austria, lower elsewhere. Lowest, (1) 48° at Bodö, 49° at Haparanda, 51° at Stockholm, 52° at Kuopio, 53° at Sumburgh Head, 54° at Oxford; (2) 52° at Warsaw, 54° at Kharkov. Rising later to between 67° and 71° in many parts of England, to 75° at Paris and 84° at Nice.

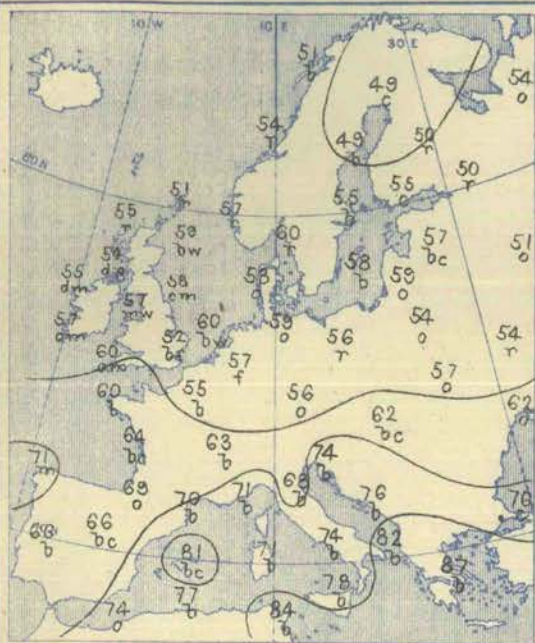
Wind (1) light North-Westerly over Sweden and the Baltic, Westerly over Germany, South-Westerly at Moscow; (2) light Westerly in Scotland, North-Westerly to North-Easterly over England, North-Easterly in the Channel and west of France; (3) very variable and light over southern Europe and the Mediterranean. No decided change later.

Barometer highest, 30.3 ins. and more to 30.2 ins. over Ireland and England, and exceeding 30.0 ins. in a broad "ridge" spreading eastwards to central Europe. Lowest, about 29.5 ins. over the northern half of Russia, below 29.9 ins. over Asia Minor and Greece, and about 30.0 ins. both in the Shetlands and south-west of France. Falling slightly over the north of Scandinavia later.

Thursday, 30th August.

Temperature and Weather.

8 a.m.

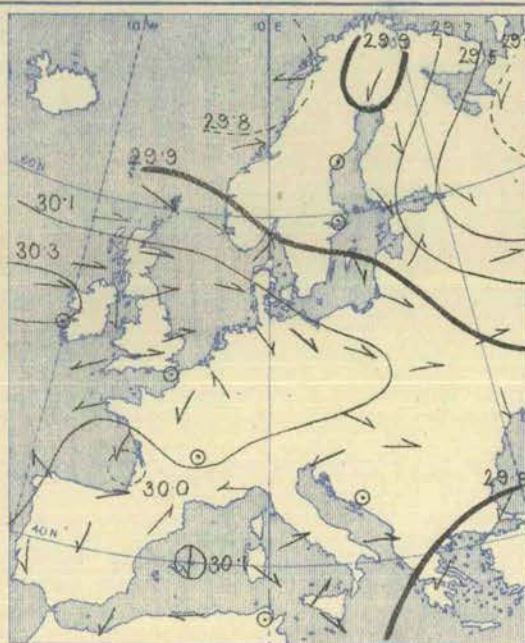


Weather in morning fine and bright over nearly the whole of southern, central, and western Europe, including the major part of Great Britain, also over the Baltic and the shores of the Gulf of Bothnia; dull over Ireland, Scotland, and Norway, with rain at several stations, as well as over eastern Germany, Poland, and the south of Russia. Some rain falling later in Norway and the most northern parts of our Islands, thunderstorms occurring in the north-east of Spain and the south-west of France.

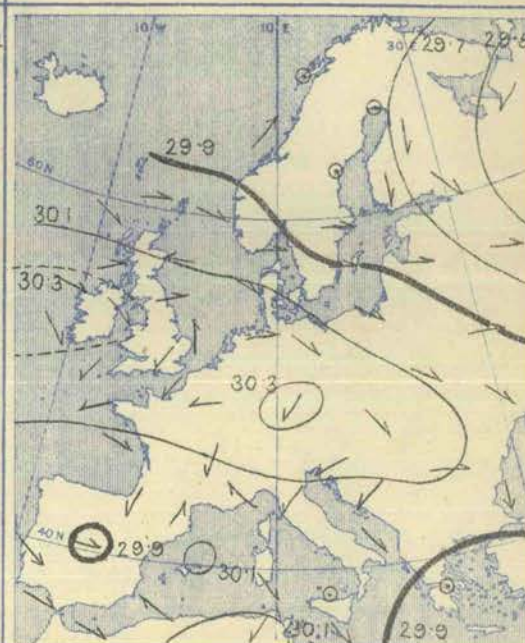
Temperature in morning exceeding 80° over Greece and several parts of Algeria and at Palma; exceeding 70° at most of the Mediterranean stations, and exceeding 60° in the south and west of France. Lower elsewhere; lowest of all, (1) 49° at Haparanda, Hernösand, and Helsingfors, and 50° at St. Petersburg; (2) 51° at Sumburgh Head, 54° at Malin Head and York; (3) 59° at Oxford, 52° in London, 55° at Paris. Rising later to between 70° and 75° over England, to 85° and more over Spain, to 95° and more over the south of Italy and south of France, and rather higher over Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



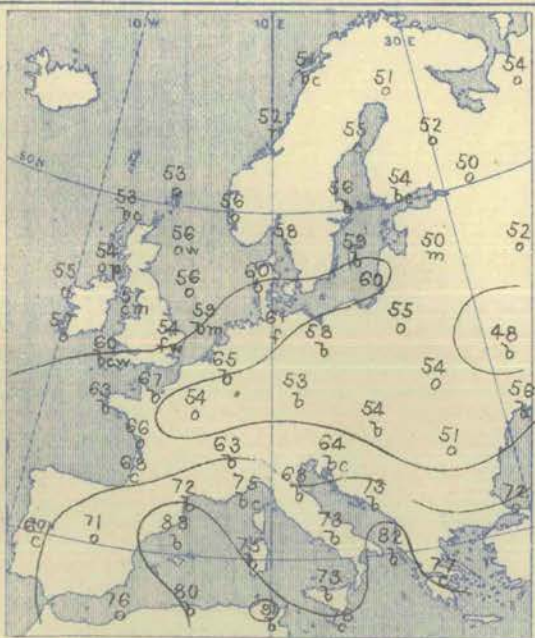
Wind Westerly over almost all the northern countries, but Northerly over Finland, North-Westerly over the Baltic, Westerly and South-Westerly over north Germany and the Baltic Provinces; North-Easterly over the south of our Islands, the Channel, the north of France, and Bay of Biscay, but Westerly, very light, in the north-east of Spain. Veering to North-West in Scotland later, very little change elsewhere.

Barometer highest, 30.3 ins. to 30.1 ins. in a broad band stretching in from the Atlantic across the British Islands and the North Sea to Germany. Lowest, 29.4 ins. and less over the north of Russia; below 29.8 ins. off the north-west of Norway; about 30.0 ins. over the south-eastern corner of the Bay of Biscay. Pressure increasing over central Europe later, decreasing over Spain; little change elsewhere.

Friday, 31st August.

Temperature and Weather.

8 a.m.



Weather in morning fine over south-eastern, southern, central, and western Europe, but very foggy over the southern parts of England; dull over the northern countries generally, and rainy at Malin Head, Naír, and in the north-west of Norway. About an inch of rain falling at Christiansund later, and small quantities in many parts of Scotland. Thunder and lightning over the southern parts of France. Fog clearing at the English stations.

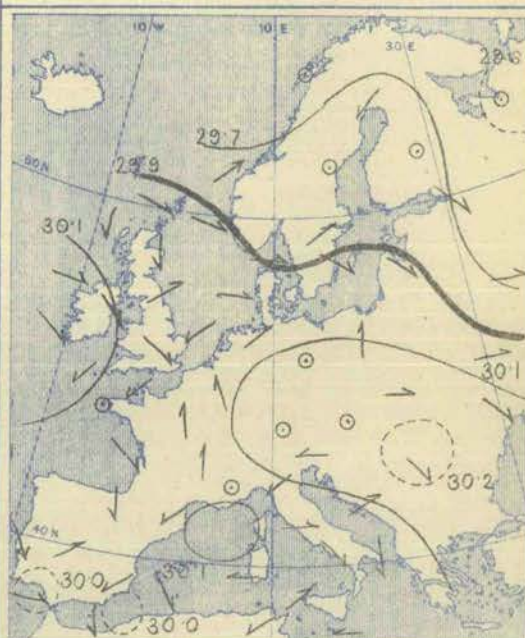
Temperature in morning highest, 91° at Tunis, 88° at Barcelona, and exceeding 80° at many stations on the southern side of the Mediterranean; exceeding 70° in the south of France, and slightly exceeding 60° on the south coast of England. Lowest, (1) 50° at Cleburn, St. Petersburg, and Riga, 51° at Bodo and Helsingfors; (2) 50° to 52° over the south midland counties of England; (3) 48° at Kharkov and Kiev, 51° at Hermanstadt, and 52° at Cracow. Rising later to between 70° and 77° in many parts of England, to 80° at Jersey, to between 84° and 95° in the south of France, in Italy, and Algeria.

Barometer and Wind.

8 a.m.



6 p.m.



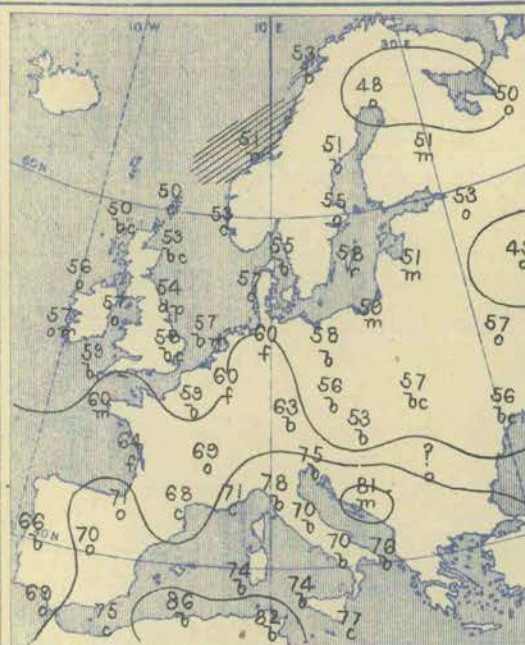
Wind light and variable from the North-Westward over Finland, Sweden, and the Baltic, strong on the Norwegian coast; light Westerly over Scotland; (2) light and variable from the North-Eastward in the south of England, and more Easterly over Brittany; but North-Westerly in the south-west of France; (3) very light and variable over central Europe. No decided change later.

Barometer highest, 30.2 ins. and more over Austria and south Germany, and exceeding 30.1 ins. over south-eastern and central Europe, England, and Ireland. Lowest, (1) 29.6 ins. over the north-east of Russia, and rather below 30.0 ins. over the Shetlands, and (2) about 30.0 ins. over the Bay of Biscay. Changing little and undecidedly later.

Saturday, 1st September.

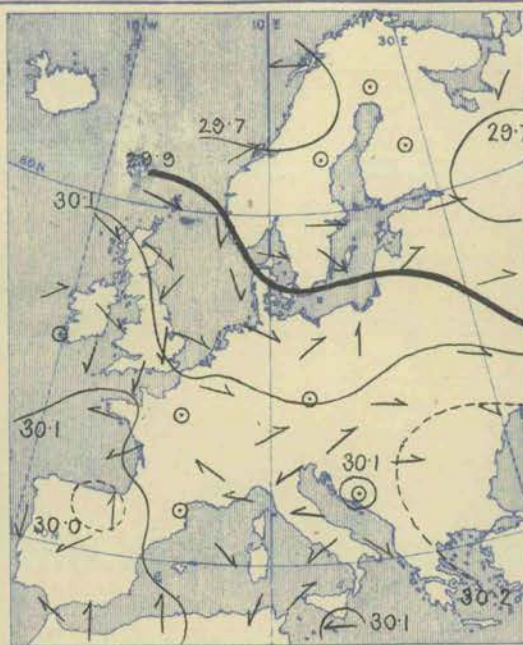
Temperature and Weather.

8 a.m.

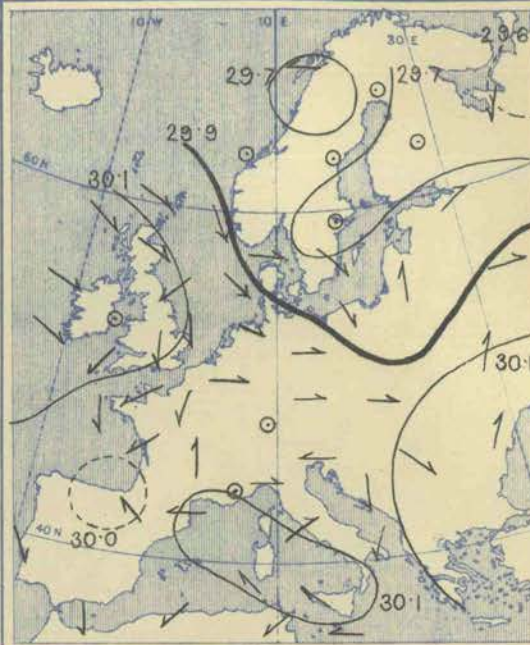


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over south-eastern, southern, central, and western Europe, foggy, hazy, or dull in various parts of England, very dull in Ireland, changeable over Scotland and Norway; appearance of sky over England less fair than of late. Heavy rain in Norway later, smaller quantities over the northern parts of the Kingdom, local showers in many parts of Europe, lightning at Lyons.

Temperature in morning highest, 86° at Algiers, and exceeding 70° at the Mediterranean and Adriatic stations generally. Below 60°, however, over the greater part of north-western, northern, and eastern Europe, and, lowest of all, (1) 43° at Moscow, 48° to 51° over Finland and the north of Russia; (2) 50° at Sumburgh Head and Stornoway, 52° at Wick and Leith. Rising later to 70° and more over many parts of England, to 85° at Paris, and to 90° and more in some parts of Italy and Algeria, but not touching 60° on our north-east coasts.

Wind light from between North and North-West over our Islands as a whole, calm both in Ireland and the north-east of France, Easterly over the Bay of Biscay. Variable between West and South over the Baltic and north Germany, Westerly in the south of Russia, Easterly over Italy. No decided change later.

Barometer highest, 30.2 ins. and more over south-eastern Europe, and exceeding 30.1 ins. in a broad band of irregular outline, spreading over south Germany, France, and the greater part of the British Islands. Lowest, 29.7 ins. and less to 29.8 ins. over northern Europe as a whole, and below 30.0 ins. in a small depression near Biarritz. Changing very little and irregularly later.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\gggg$ = a heavy gale; $\gg$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The Meteorological character of this week was altogether different from that of the week which ended on August 25th. The depression which then prevailed over the Bay of Biscay, France, and the Channel filled up completely, and an anticyclonic system which had just shown itself off the extreme north-western coasts of the British Isles at the close of last week began to spread eastwards and southwards, until on Tuesday it covered the whole of the Kingdom and had reached (as a ridge) the north-western parts of Germany. On Thursday it had covered central Europe, and a new "maximum" was developed in that region in addition to the one lying off the west of Ireland. Both these systems continued in force at the end of the week.

The weather was consequently dry and quiet throughout, dull in Ireland, very hazy and foggy over England, bright over France and Germany. The winds were light and mainly anticyclonic, and temperature rose considerably. Maxima of 75° to 80° being recorded over England on Friday.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 206.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	21.3	?	22	?	EASTBOURNE	57.2	?	61	?
OSWALDKIRK (Yorkshire)	22.9	?	24	?	MANCHESTER (Oldham Road)	14.0*	?	15*	?
WORKSOP	21.9	- 8.4	23	- 9	TENBY	57.4*	?	60*	?
THURCASTON (Leicestershire)	30.8	- 0.7	32	- 1	NEWQUAY	66.0	?	69	?
MARGATE	45.4	?	48	?	TORQUAY	63.8*	?	67*	?
WESTBOURNE (Sussex)	58.3*	?	61*	?	ARLEY COTTAGE (County Cavan)	?	?	?	?
BRIGHTON	55.9	?	59	?	GUERNSEY	66.0*	?	70*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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VOL. XI. No. 36.]
Third Series.

WEEK ENDING SATURDAY, SEPTEMBER 8TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 212.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	36	56.4	43.0	49.4	3 below	Day-deg. 52	Day-deg. -21	Day-deg. 0	Day-deg. 0	Day-deg. 1721	Day-deg. +297	Day-deg. 495	Day-deg. -51
	1. SCOTLAND, EAST	66	30	57.8	43.3	50.2	4 below	37	-32	0	-1	1805	-44	581	+7
	2. ENGLAND, N.E.	59	37	56.5	45.2	50.6	5 below	60	-35	0	-1	1982	+39	455	-52
	3. ENGLAND, EAST.	68	39	59.3	44.5	51.5	6 below	67	-41	0	0	2327	+57	471	-100
	4. MIDLAND COUNTIES.	67	37	59.8	43.9	51.5	5 below	67	-35	0	0	2311	+70	483	-79
5. ENGLAND, SOUTH	71	37	61.5	47.4	54.1	5 below	85	-32	0	0	2541	+100	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	63	35	58.9	42.3	50.5	4 below	60	-28	0	0	1939	+46	345	-69
	7. ENGLAND, N.W.	63	39	58.2	47.7	52.7	4 below	75	-24	0	0	2213	+169	302	-120
	8. ENGLAND, S.W.	71	31	61.5	46.3	53.5	4 below	81	-27	0	0	2355	+58	236	-81
	9. IRELAND, NORTH	67	31	59.7	43.8	51.4	4 below	66	-28	0	0	2054	+32	334	-33
	10. IRELAND, SOUTH	65	34	60.0	43.5	51.4	6 below	66	-35	0	0	2345	+76	217	-67
	—CHANNEL ISLANDS	69	45	61.3	53.2	57.1	3 below	106	-18	0	0	2734	+217	94	-18

DISTRICTS. (See p. 212.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of in. 2	10ths of ins. 8 less	161	-3	37.7	26	-2	28	-1	933	+150	34	+5	
	1. SCOTLAND EAST	5	4	3 less	146	+11	26.5	29	+9	21	+9	1061	+54	35	+2	
	2. ENGLAND, N.E.	5	9	3 more	147	+23	18.5	29	-1	32	-1	1082	+103	33	+3	
	3. ENGLAND, EAST.	6	9	3 more	139	+17	18.0	28	-7	31	-7	1196	-14	36	0	
	4. MIDLAND COUNTIES.	4	6	0 (average)	138	+18	17.4	32	0	35	0	1098	+23	33	+1	
5. ENGLAND, SOUTH	5	12	6 more	136	+20	20.2	33	-6	36	-5	1279	+13	27	0		
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	less than 1	10 less	152	+10	34.4	52	+22	56	+24	1118	+40	33	+1	
	7. ENGLAND, N.W.	3	3	5 less	152	+22	24.5	35	+10	37	+12	1020	+34	33	+1	
	8. ENGLAND, S.W.	3	9	0 (average)	153	+20	27.2	44	+7	48	+8	1287	-16	38	0	
	9. IRELAND, NORTH	2	1	7 less	170	+16	27.3	51	+26	55	+28	1000	+30	30	+1	
	10. IRELAND, SOUTH	2	5	3 less	156	+15	29.2	45	+14	49	+15	1066	-91	32	-2	
	—CHANNEL ISLANDS	5	11	4 more	156	+16	25.3	38	-17	42	-17	1396	-102	42	-3	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was fine and bright over Ireland and the west of Scotland, as well as over the more western parts of England, but in the north and east of Scotland and all the southern and eastern parts of England it was cloudy and unsettled, with frequent slight falls of rain. The rain experienced over the southern counties early on Saturday was very heavy. Thunderstorms occurred in many of the more southern districts during the middle part of the week.

Temperature was very low, the deficit ranging from 3° both in Scotland N. and the Channel Islands to 6° in England E. and Ireland S. The highest of the maxima were recorded on the 2nd, and ranged from 71° in England S. and S.W. and 69° in the Channel Islands, to 60° in Scotland N., and to 59° in England N.E. The lowest of the minima were registered on the 3rd in the north, and between the 5th and 7th elsewhere. They were very low generally, ranging from 30° in Scotland E. and 31° in England S.W. and Ireland N., to 39° in England E. and N.W., and to 45° in the Channel Islands.

Rainfall varied considerably in different parts of the country. It was much less than the normal over Scotland and Ireland, as well as in the north-west of England, and just equal to it in the Midland Counties and England S.W. Over the south, east, and north-east of England

and in the Channel Islands, however, there was a considerable excess. The fall which occurred during the early hours of Saturday over our southern counties was extremely heavy locally; at Eastbourne as much as 2.00 ins. was collected between 2 a.m. and 9 a.m.

Bright Sunshine considerably exceeded the mean in all the "Grazing" districts, but in most of the "Wheat producing" districts there was a slight deficit. The percentage of the possible duration ranged from 56 in Scotland W. and 55 in Ireland N. to 31 in Scotland E. and England E. and to 28 in Scotland N.

Barometer and Wind.—During the whole of the period the barometer was highest to the westward of our Islands, and depressions, mostly small and shallow, appeared over the more eastern and southern parts of the Kingdom. The disturbances which mostly affected the weather were (1) a complex depression which arrived over the Channel on the 3rd and subsequently moved away south-eastwards; and (2) a small and well-marked system which advanced quickly from the north-westward and reached the neighbourhood of the Isle of Wight by the morning of the 8th. Cold winds from between North-West and North-East were experienced generally, and occasionally blew strongly in the south and east.

II.—DATA from which the SUMMARY on page 211 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	59	45	56.0	46.3	50.9	- 0.7	62	0	6	0.27	- 0.48				
	Stornoway	56	39	55.0	42.1	48.2	- 3.9	43	0	5	0.19	- 0.71	24.1	- 1.7	26	- 1
	Wick	58	40	56.4	45.7	50.8	- 1.9	62	0	5	0.32	- 0.28				
	Laing	58	37	56.1	40.7	48.0	- 4.1	47	4	6	0.16	- 1.36				
	Glencarron	60	36	56.9	42.1	49.1	- 4.5	50	0	5	0.31	- 0.49	17.5	?	19	?
	Fort William	59	38	57.7	41.3	49.4	- 4.9	55	2	2	0.13	- 1.32	36.6	?	39	?
1. SCOTLAND, E.	Nairn	59	38	57.4	44.4	50.6	- 3.7	60	0	5	0.46	- 0.13				
	Aberdeen	58	41	56.3	44.3	50.0	- 4.3	56	0	7	0.36	- 0.31	38.7	+ 8.7	41	+ 9
	Braemar	55	30	53.2	38.9	45.7	- 5.1	39	9	6	0.85	+ 0.34	22.04	?	23	?
	Ochertyre	66	39	63.1	43.3	52.7	- 1.6	75	0	2	0.12	- 0.71				
	Leith	63	42	60.7	45.6	52.8	- 3.1	76	0	3	0.14	- 0.46				
	Marchmont	58	39	55.9	43.0	49.1	- 4.3	50	0	4	0.44	- 0.36	30.3	?	32	?
2. ENGLAND, N.E.	Alnwick Castle	59	40	55.3	45.9	50.4	- 3.4	59	0	6	0.55	- 0.17				
	Durham	58	37	56.1	42.6	49.0	- 6.3	49	0	5	0.39	- 0.21	21.9	- 6.2	24	- 6
	Shields	57	38	55.3	44.0	49.4	- 6.2	52	0	3	0.16	- 0.38				
	Scarborough	59	45	57.2	46.9	51.8	- 4.2	69	0	7	1.60	+ 0.98				
	York	59	40	58.1	43.0	50.2	- 6.4	57	0	4	1.40	+ 0.77	21.6	+ 3.6	34	+ 5
	Spurn Head	59	46	56.7	48.6	52.5	- 5.2	74	0	4	1.08	+ 0.63				
3. ENGLAND, E.	Hillington	64	39	59.1	44.5	51.5	- 5.0	67	0	7	1.56	+ 0.94	26.9	- 5.5	29	- 7
	Yarmouth	62	44	58.1	46.7	52.1	- 5.9	71	0	7	0.79	+ 0.19				
	Geldeston	65	40	60.1	42.3	50.8	- 7.3	62	0	7	0.77	+ 0.18	29.1	- 8.9	32	- 9
	Cambridge	68	41	60.3	44.7	52.1	- 6.3	71	0	5	0.67	+ 0.15	28.1	- 6.3	31	- 7
	Rothamsted	66	40	58.9	44.1	51.1	- 6.0	64	0	6	0.51	- 0.09	?	?	?	?
	Bawtry (Hesley Hall)	60	40	58.6	41.3	50.6	- 6.4	60	0	4	0.23	- 0.30				
4. MIDLAND COUNTIES	Loughborough	66	37	61.6	44.7	52.7	- 5.2	75	0	4	0.29	- 0.33				
	Stamford (Ketton Hall)	66	40	62.4	44.7	53.1	- 4.5	78	0	5	0.47	- 0.20				
	Cheadle	60	40	57.5	44.1	50.5	- 4.4	60	0	1	0.06	- 0.76				
	Churchstoke	64	37	58.5	41.8	49.8	- 5.6	55	1	3	0.91	+ 0.26	28.0	- 4.1	30	- 5
	Hereford	67	39	59.7	44.7	51.8	- 5.6	69	0	3	1.13	+ 0.53				
	Cirencester	67	41	59.4	44.1	51.4	- 4.8	66	0	4	1.35	+ 0.65	36.2	+ 4.1	39	+ 4
5. ENGLAND, S.	Oxford	67	40	60.4	44.0	51.8	- 6.2	69	0	4	1.67	+ 0.12	32.4	- 2.7	55	- 3
	London	70	39	61.3	45.3	52.9	- 6.7	76	0	6	0.55	+ 0.05	27.44	- 3.04	30	- 34
	North Foreland	64	45	60.0	50.7	55.1	- 2.9	92	0	5	0.75	?				
	Strathfield Turgiss	69	37	62.1	43.5	51.9	- 6.4	69	0	5	1.34	+ 0.83				
	Dungeness	69	42	61.7	47.6	54.3	- 5.4	86	0	5	1.24	+ 0.67				
	Hastings (St. Leonards)	66	45	60.7	48.2	54.2	- 5.8	85	0	4	1.98	+ 1.39	34.7	- 5.3	38	- 5
6. SCOTLAND, W.	Southampton	71	43	64.0	47.1	55.0	- 4.5	91	0	5	0.99	+ 0.36	32.1	- 7.4	35	- 7
	Hurst Castle	68	46	62.7	50.4	56.3	- 3.4	100	0	5	1.51	+ 0.86				
	Stowell	70	39	60.5	45.7	52.7	- 4.1	75	0	6	1.05	?				
	Landale (Loch Sunart)	63	36	59.2	41.0	49.7	- 5.1	58	3	1	0.02	- 1.38				
	Glasgow	60	41	58.7	44.3	51.2	- 3.2	64	0	2	0.04	- 0.83	45.0	+ 2.0	48	+ 22
	Ardrossan	61	42	59.4	45.3	52.0	- 3.9	70	0	2	0.02	- 0.80				
7. ENGLAND, N.W.	Glenties	61	35	58.8	39.7	48.8	- 5.0	57	6	0	—	- 1.09				
	Douglas (Isle of Man)	61	38	58.6	43.9	50.9	- 4.2	62	0	3	0.11	- 0.74	58.5	+ 23.8	63	+ 26
	Stonyhurst	59	43	56.2	45.6	50.7	- 5.0	61	0	3	0.34	- 0.76	35.6	+ 4.3	33	+ 5
	Blackpool	63	39	61.2	45.3	52.9	- 3.6	76	0	1	0.16	- 0.72	44.8	+ 14.2	43	+ 15
	Manchester (Prestwich)	59	41	59.9	44.9	50.6	- 5.7	60	0	2	0.11	- 0.78	29.0	?	31	?
	Liverpool Obsy. (Bidston)	62	46	58.7	48.9	53.6	- 4.0	81	0	3	0.03	- 0.03				
8. ENGLAND, S.W.	Llandudno	63	49	58.8	51.3	54.9	- 3.1	90	0	4	0.55	- 0.13	41.9	+ 11.3	46	+ 15
	Holyhead	60	49	57.1	50.4	53.6	- 4.0	81	0	3	0.16	- 0.54				
	Llandovery	63	31	64.3	39.4	51.3	- 5.8	78	7	3	0.84	- 0.25				
	Pembroke	63	47	58.7	50.3	54.2	- 3.5	86	0	3	0.46	- 0.27	48.9	+ 10.9	53	+ 12
	Bristol (Montpelier)	70	41	63.2	46.3	54.3	- 3.7	86	0	3	0.92	+ 0.15				
	Arlington (N. Devon)	69	59	60.1	44.6	52.0	- 4.4	70	0	3	1.98	+ 0.88				
9. IRELAND, N.	Cullompton	71	38	62.9	44.9	53.5	- 3.6	81	0	3	0.68	- 0.04	38.8	+ 2.8	42	+ 4
	Falmouth	65	46	60.4	48.7	54.3	- 4.2	86	0	4	0.81	- 0.13	50.7	+ 10.7	56	+ 13
	Plymouth	68	40	62.1	46.7	54.0	- 5.3	84	0	2	0.34	- 0.46	39.5	+ 0.7	43	+ 1
	Prawle Point	65	44	60.4	49.1	54.5	- 3.8	88	0	6	1.01	+ 0.51				
	Malin Head	56	49	55.3	50.7	52.9	- 2.1	76	0	0	—	?				
	Londonderry	67	48	62.8	43.9	52.9	- 2.6	76	0	2	0.13	- 0.75				
10. IRELAND, S.	Edenfel (Omagh)	62	33	59.4	40.7	49.6	- 5.1	59	4	1	0.01	- 0.79				
	Belmullet	60	41	58.0	47.1	52.3	- 5.5	72	0	5	0.23	?				
	Markree Castle	65	31	60.4	40.3	50.1	- 4.5	62	3	3	0.11	- 0.69	49.8	+ 25.6	54	+ 29
	Brookeborough	63	32	61.5	39.7	50.1	- 3.9	66	6	1	0.10	- 0.73				
	Armagh	62	33	60.2	41.0	50.1	- 4.8	61	3	1	0.02	- 0.74	51.1	+ 25.8	55	+ 27
	Donaghadee	62	42	59.6	46.9	53.0	- 2.3	77	0	1	0.01	- 0.74				
CHANNEL ISLANDS	Edgeworthstown	62	35	60.1	43.7	51.5	- 3.3	67	0	1	0.10	- 0.65				
	Dublin	62	42	58.9	46.0	52.1	- 4.9	71	0	3	0.24	- 0.35	49.1	+ 16.3	53	+ 18
	Parsonstown	63	37	59.9	40.4	49.7	- 6.1	61	4	1	0.12	- 0.65	32.6	+ 3.1	35	+ 3
	Kilkenny	63	36	60.1	43.6	51.5	- 5.1	67	0	2	0.25	- 0.54				
	Roche's Point	65	44	61.9	48.7	55.0	- 2.6	91	0	2	0.52	- 0.46				
	Valencia	63	40	59.4	46.3	52.5	- 5.1	74	0	2	1.12	+ 0.03	54.1	+ 22.1	59	+ 25
CHANNEL ISLANDS	Killarney	64	34	60.1	38.5	49.0	- 8.0	64	10	2	0.99	?				
	Foynes	64	39	59.6	40.8	49.8	- 6.8	60	3	2	0.25	?				
CHANNEL ISLANDS	Scilly (St. Mary's)	63	49	60.1	53.0	56.4	- 2.9	101	0	3	1.02	+ 0.32	53.0	?	58	?
	Jersey	69	45	62.4	53.4	57.7	- 3.6	110	0	7	1.15	+ 0.47	39.7	- 17.3	34	- 17

Stations marked *fit* are in connection with the Royal Meteorological Society, and those marked *fit* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

! The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunnill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 2nd September.

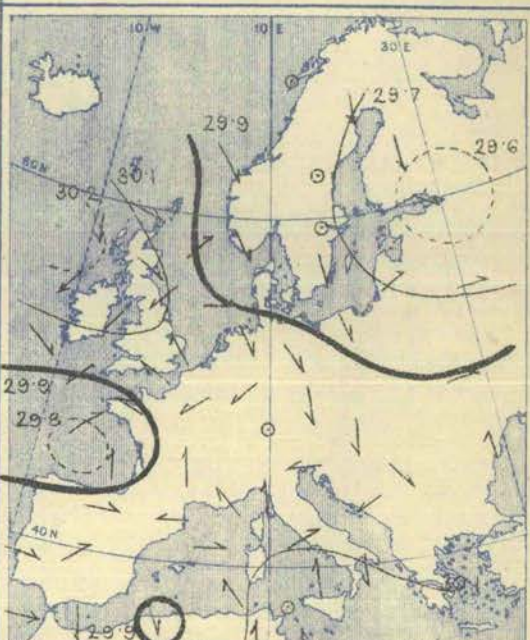
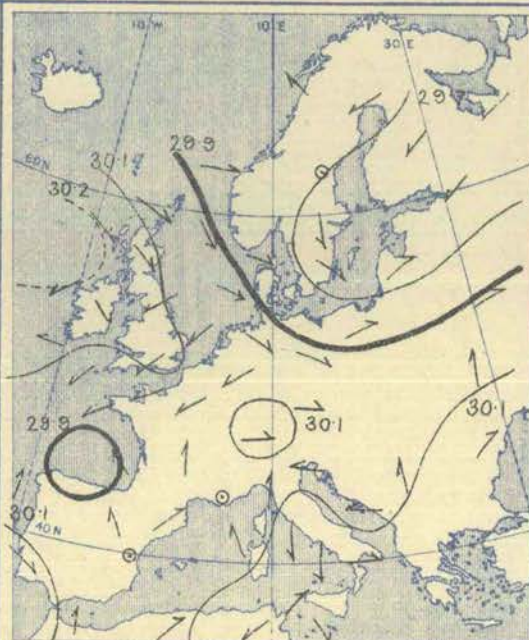
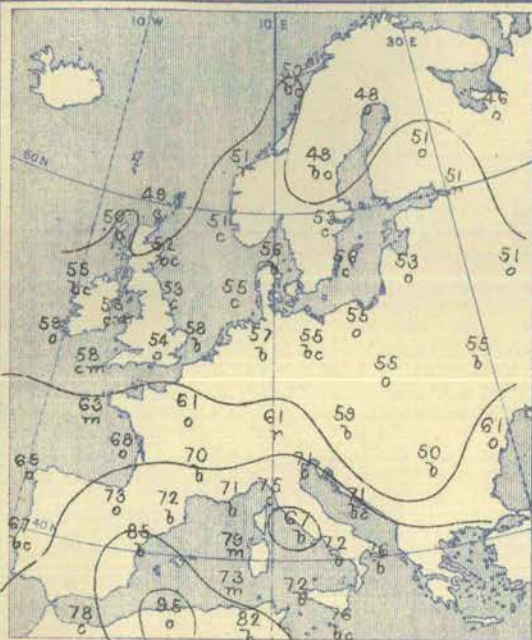
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather in morning still fine (1) over the Mediterranean and south-eastern and central Europe, and (2) over Ireland and England, but not so settled looking as of late, fine over the greater part of Scandinavia also. Dull and unsettled over Finland and the northern half of Russia, with rain in several places. Some showers over the northern countries later, and heavy rain, thunder, and lightning setting in on our south-western coasts, France, and western Germany. General appearance very unsettled in the east of England.

Temperature in morning highest, 95° at Algiers, 85° at Barcelona, and 82° at Tunis; exceeding 70° at the Mediterranean and Adriatic stations generally, and exceeding 60° at most of the French stations and along the south coast of England. Lowest, (1) 46° at Archangel and Uleaborg, 49° at Sumburgh Head, 50° at Bodö, Helsingfors, Wick, and Stornoway; (2) 51° at Oxford, 52° at York; (3) 52° at Kharkov. Rising later to between 60° and 70° over many parts of the United Kingdom, to 77° at Munich, to 86° at Rochefort and Nice, and to 92° at Lyons, and still higher over Italy and Algeria.

Wind very variable. Mainly from North-West over Scotland, the south of Norway, and the North Sea, and Westerly over Germany, North-Easterly to Easterly over England, Ireland, the Channel, and north of France, South-Easterly in the south-west of France; no well developed wind current over the Mediterranean, but light Southerly over southern Russia. Shifting to South and South-West in the south-west of France later, and freshening from North-East over the south-east of England.

Barometer highest, 30.2 ins. to 30.1 ins. in the eastern part of an anticyclone stretching over the northern half of our Islands from the Atlantic, and exceeding 30.1 ins. over the Mediterranean and south-eastern Europe; 30.1 ins. to 30.0 ins. in a "Col" uniting the two systems. Lowest, (1) 29.6 ins. to 29.7 ins. over Finland and the north of Russia; (2) 29.9 ins. and less in a depression over the Bay of Biscay. Latter system moving northwards and spreading eastwards later, and barometer falling decidedly in the south of England and over France.

Monday, 3rd September.

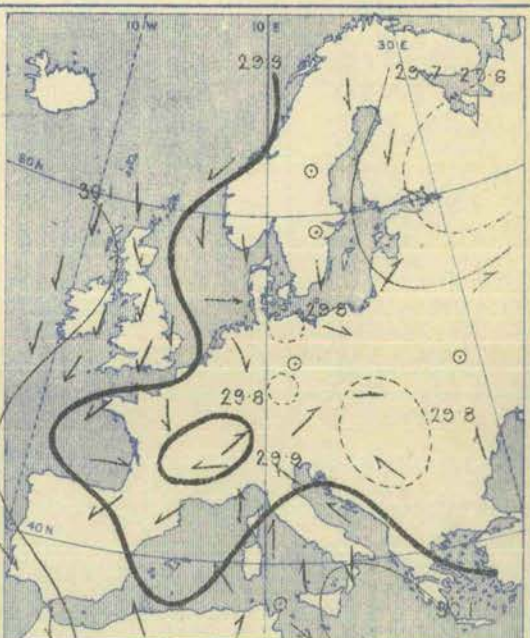
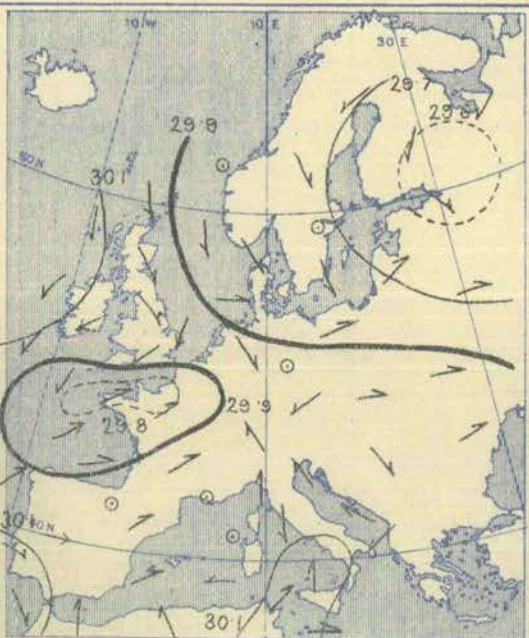
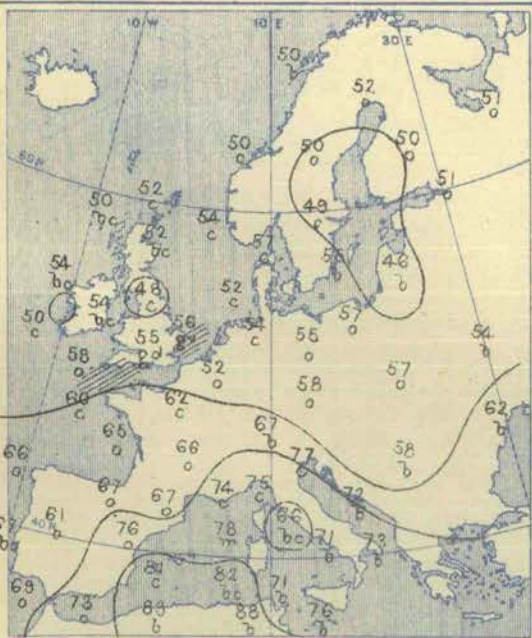
Temperature and Weather.

Barometer and Wind.

8 a.m.

8 a.m.

6 p.m.



Weather in morning fine and bright over south-eastern Europe and some parts of France, and fair, as a whole, in the north of our Islands, dull and variable over northern Europe, dull, unsettled, and rainy over the southern parts of the United Kingdom and the English Channel. Rain falling generally over the central and western parts of the Continent later, and in the south of England, and some showers over the north of our Islands and north of Sweden. Inclined to improve over the United Kingdom later, and heavy dew falling over England at night.

Temperature giving way over the United Kingdom as a whole. Morning readings exceeding 80° at some Algerian stations, and exceeding 70° at many places on the shores of the Mediterranean generally. Lowest, 45° to 50° over most of the northern parts both of our Islands and continental Europe, 50° at Oxford, 51° at Swineland. Falling to reach 60° at the majority of our stations later, but touching 70° at Paris and 80° at Nice. Succeeding night very cold over England.

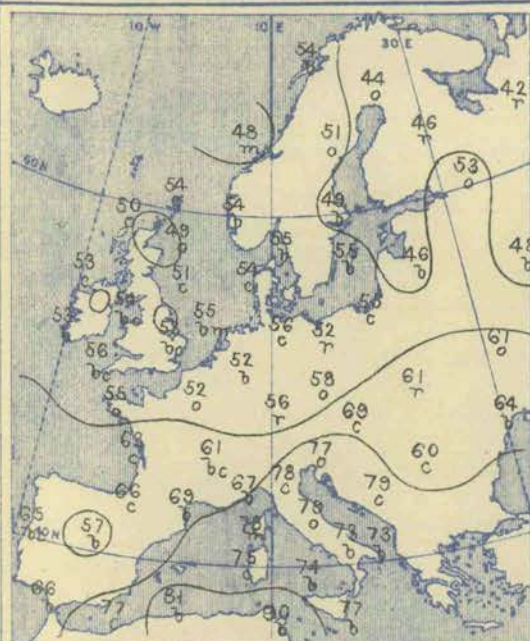
Wind mainly Northerly over Scandinavia and the northern and western parts of our Islands; Easterly to North-Easterly and strong over our south-eastern and southern counties, but South-Westerly to Westerly over France, and blowing freshly at Lorient, West-South-Westerly over north Germany, very variable over southern Europe and the Mediterranean. Shifting to North-Eastward in the north of France during the day, and beginning to moderate at our own southern stations.

Barometer highest, 30.1 ins. and more to 30.0 ins. in an anticyclone spreading in over the northern parts of the British Islands from the Atlantic, and in other systems, one over the south-west of Spain, the other over the eastern parts of the Mediterranean and south-eastern Europe. Lowest, 29.6 ins. and less in a shallow depression over the northern half of Russia, and below 29.5 ins. in a complex disturbance over the English Channel. Latter system moving south-eastwards later and filling up. Barometer rising over the United Kingdom and north-western Europe generally.

Tuesday, 4th September.

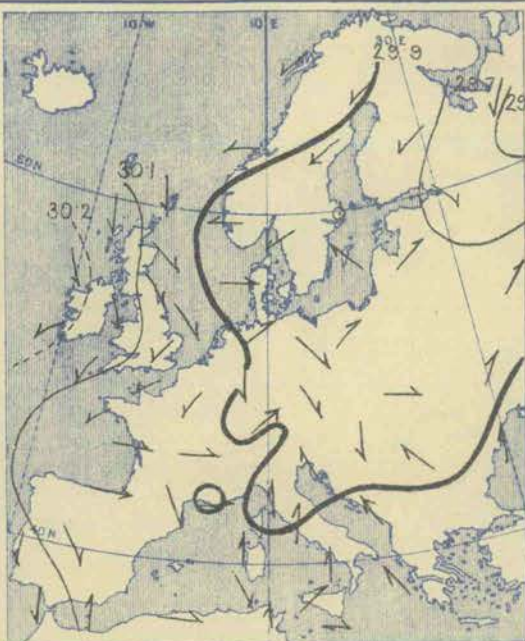
Temperature and Weather.

8 a.m.

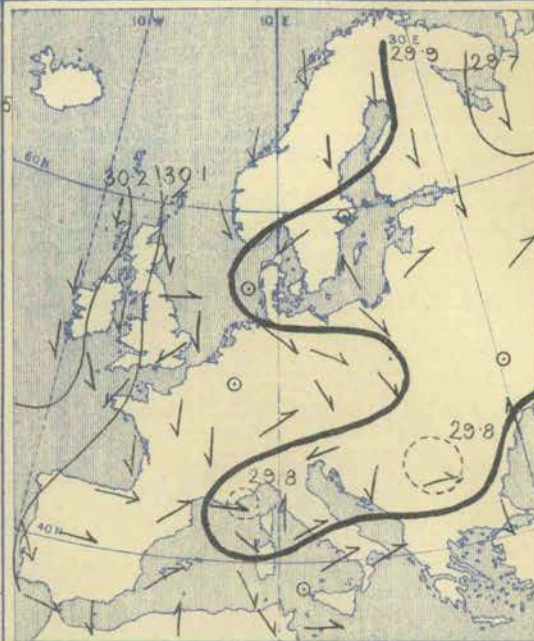


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over south-eastern, southern, western, and northern Europe as a whole, but rather showery in one or two localities, dull and rainy over the central countries. Rain falling later, but not heavily, over the greater part of the Kingdom and in the south of France, heavy showers in parts of southern and south-eastern Europe, slight showers over Germany; lightning seen very generally in the south of England and north-east of France. Temperature still falling over the western countries and fall spreading eastwards. Morning readings highest, 90° at Tunis and 81° at Sfax and Algiers; exceeding 70° at most of the Mediterranean and Adriatic stations, and exceeding 60° both over south-eastern and south-western Europe. Lowest, 42° to 46° over the north of Russia and Finland, 48° at Christian-sund; 48° to 49° over our midland counties, 49° at Nairn. Falling to reach 65° at any of our own stations later, and to 90° and more over parts of Italy and Algeria, and becoming decidedly cold at night.

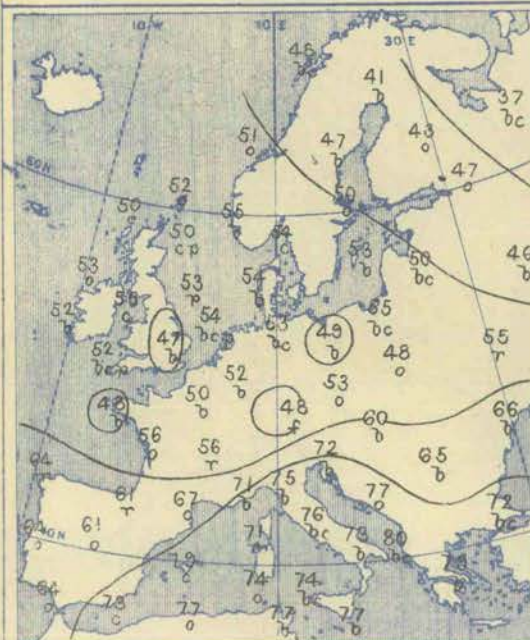
Wind chiefly Northerly (North-East to North-West) over all the northern and north-western countries, strong at some of the Scandinavian stations, but moderate to light elsewhere; Northerly to Westerly over Germany and Austria-Hungary, South-South-Westerly over the southern half of Russia. Very little change reported later.

Barometer highest, 30.2 ins. and more over the west of Ireland, and exceeding 30.0 ins. over nearly the whole of the United Kingdom, Brittany, and the Iberian Peninsula, as well as over the Black Sea, European Turkey, and Greece. Lowest, 29.5 ins. and less in the north of Russia, and below 29.8 ins. in a hollow extending thence across Russia to Hungary. Rising slightly over the British Isles and their neighbourhood all day.

Wednesday, 5th September.

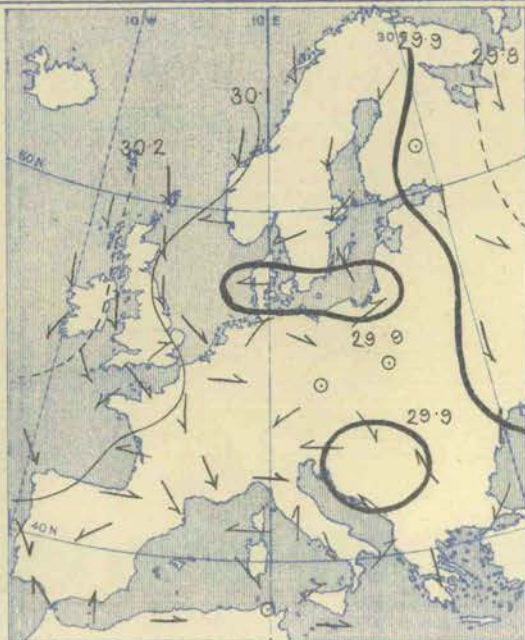
Temperature and Weather.

8 a.m.

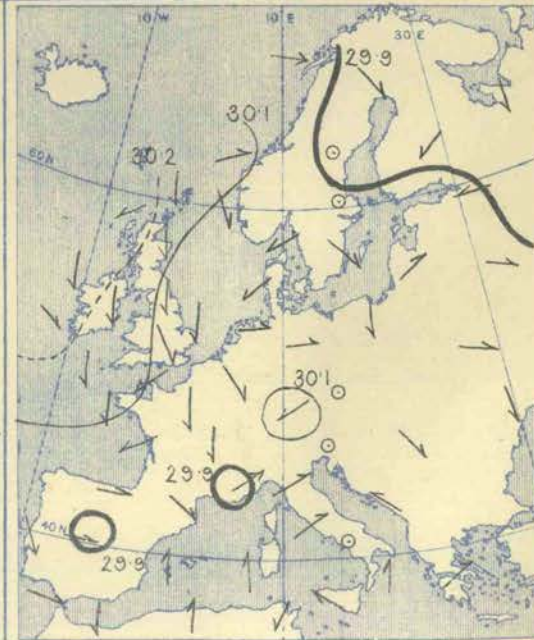


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine and bright over south-eastern Europe and the Mediterranean, as well as over many parts of France, England, Ireland, and Scandinavia; changeable, however, over the northern countries as a whole, showery at Aberdeen, Malin Head, Yarmouth, and rainy over several parts of central Europe. Rain falling later in small quantities at many stations, and in large quantity in some parts of Yorkshire, as well as at Flushing, Vienna, and Lisbon, thunderstorms occurring over England, France, Hungary, and south Germany.

Temperature low generally for the time of year. Morning readings below 80° at all stations excepting Sfax and Brindisi, but exceeding 70° on the southern and south-eastern coasts of Europe generally. Lowest, (1) 37° to 47° over the northern parts of Russia; (2) 47° to 50° over central England; 50° at Paris, 48° at Warsaw. Falling to reach 60° in Scotland later, but touching 62° in London, 66° at Paris, and 81° at Perpignan, and 90° and more in some parts of Italy and Algeria.

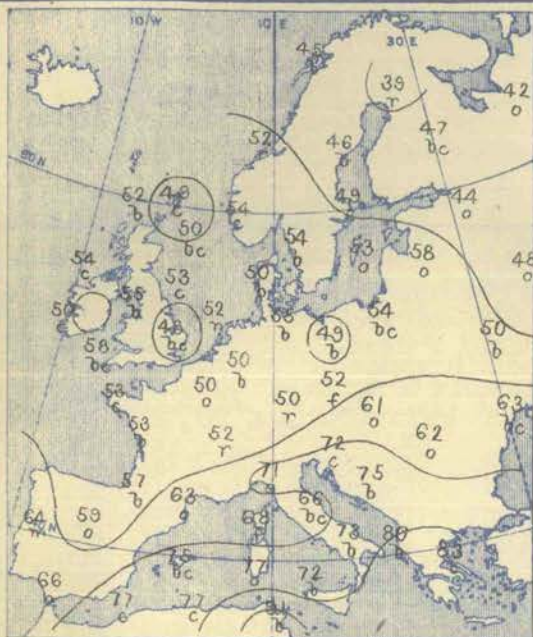
Wind moderate from the North-Eastward over northern Europe, moderate to light from North and North-West over the British Isles, Westerly over north Germany, Southerly over the Baltic Provinces; very variable over the more southern countries. No decided change in our Islands later, but cyclonic circulation setting in over the Riviera and neighbouring parts of the Mediterranean.

Barometer highest, 30.2 ins. and more over Ireland and the west of Scotland, and exceeding 30.0 ins. over western and many parts of central Europe. Lowest, 29.8 ins. and less over the north-east of Russia, and below 29.9 ins. in two shallow depressions, one over the Baltic and Denmark, the other over Dalmatia and the southern parts of Austria. No decided change later.

Thursday, 6th September.

Temperature and Weather.

8 a.m.

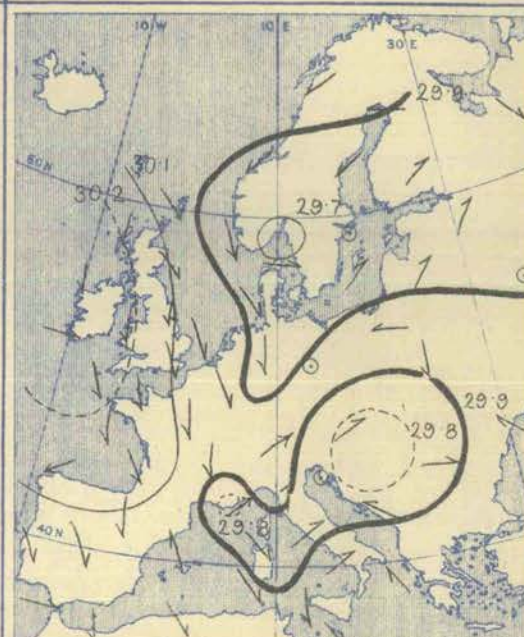


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine and bright over south-eastern Europe, and temporarily fine over Finland and the eastern shores of the North Sea; fine also over Scotland, Ireland, and Wales, but unsettled over the east and south-east of England, and rainy in the south of France. Considerable rain over the south of England and the Channel later (in thunderstorms with hail in places), much rain at Dunkirk and over the north of Sweden and Russia, showers over the North Sea and Baltic stations generally, considerable rain over Austria and the north of Italy. Not much rain in the south of France.

Temperature still falling over Europe generally, and very low for the time of year over the western countries. Morning readings highest, 91° at Tunis, and 80° or more at Stax, Athens, and Brindisi, and above 70° at most of the Mediterranean and Adriatic stations. Below 60° elsewhere, except over the south-eastern countries, and lowest, (1) 38° at Haparanda, 42° at Archangel; (2) 40° at Parsonstown, 46° at Loughborough, 47° at Oxford; (3) 49° at Le Mans, 50° at Paris, Brussels, and Munich. Very low all day over the north-western countries, not touching 60° in London, but exceeding 90° in many parts of Algeria and Italy.

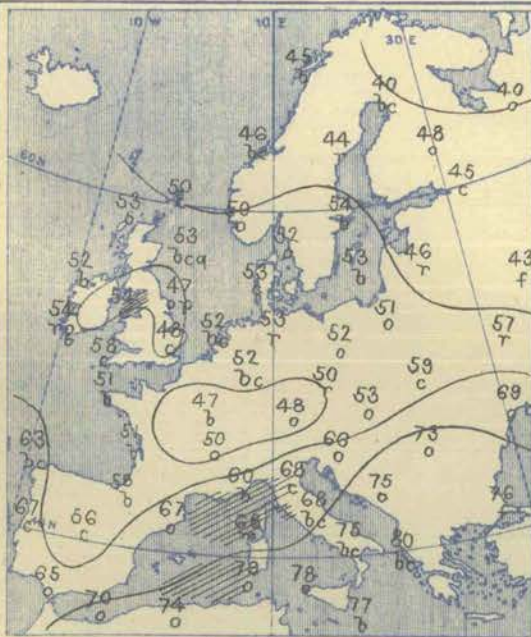
Wind Northerly and North-Westerly, light to moderate, over the British Islands, the north-eastern half of the North Sea, the Channel, and the Bay of Biscay, extremely variable elsewhere. A small cyclonic circulation prevailing over the Gulf of Bothnia and Lapland. Blowing a gale from the Northward in the west of Norway later, a strong breeze from South-South-West at Faerder and also at Nice.

Barometer highest, 30.2 ins. and more over Ireland and the west of Scotland, and exceeding 30.0 ins. over the British Islands as a whole, the west and north of France and north Germany. Lowest, 29.7 ins. and less in a depression near Uleaborg; below 29.9 ins. over the Riviera, and below 30.0 ins. in a small disturbance near Cape Gris Nez. Falling over Scandinavia later as a new depression was developed over the south of Norway. The small disturbance near Boulogne passing south-eastwards and filling up.

Friday, 7th September.

Temperature and Weather.

8 a.m.

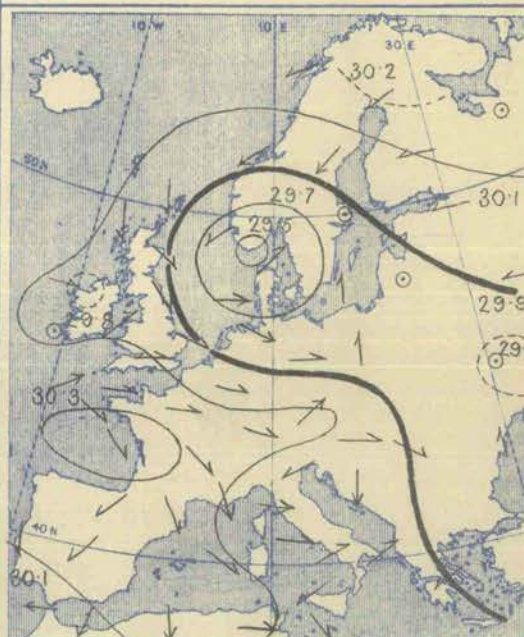


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the Mediterranean, Spain, France, and the south-western parts of England, as well as over Lapland and the north-west of Norway; very changeable over the British Islands, central Europe, and the Baltic, with rain in many places. Much rain later over the southern half of the British Islands, the north of France, the Netherlands, and the countries generally lying to the eastward of the North Sea, as well as over the inland parts of the south of France, fall exceptionally heavy at Eastbourne.

Temperature low and changing fitfully. Morning readings, 85° at Athens, 80° at Patras and Brindisi; much lower elsewhere, below 60° over nearly the whole of Europe, and as low as (1) 40° at Archangel, 42° at Uleaborg, 43° at Moscow, 44° at Hernösand; (2) 48° at Parsonstown, 46° at Oxford, 47° at Shields, 48° in London; (3) 43° at Limoges, 47° at Paris, 48° at Munich. Falling to reach 60° over the greater part of our Islands later, but touching 61° at Stockholm, 63° at Berlin, 64° at Paris, 75° at Nice, and 84° at Lisbon, 90° and more in several parts of Italy and Algeria.

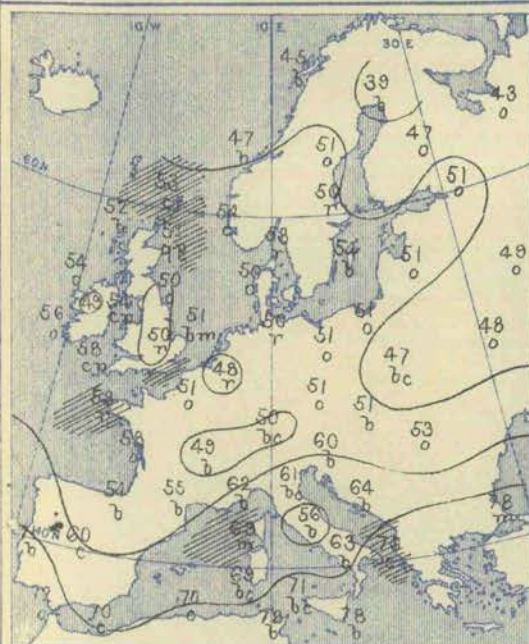
Wind (1) moderate to a gale from North and North-East over Norway and the north of Sweden, fresh, Westerly, over Holstein, moderate, Southerly, over the Baltic; (2) Southerly in the west of Ireland, North-Westerly over England, Northerly to Easterly over the Bay of Biscay; (3) small cyclonic circulation over the Riviera, Corsica, and north of Italy, and yet another over Austria-Hungary. Wind varying much in direction over the British Isles and Channel later, and increasing in force owing to the advance of a small cyclone across our Islands from the north-west; continuing to blow freshly over the North Sea.

Barometer highest, 30.3 ins. and more over the Bay of Biscay, and exceeding 30.0 ins. (1) over Spain, France, the west of Germany, the British Islands, and Lapland, (2) over central and eastern Russia. Lowest, 29.5 ins. to 29.6 ins. in a depression over Denmark and the south of Scandinavia; below 29.7 ins. in another over Hungary; and below 29.9 ins. in a third covering the Riviera and neighbouring parts of the Mediterranean. Small new depression appearing over the north-west of Ireland in evening and moving south-eastwards across Ireland and England.

Saturday, 8th September.

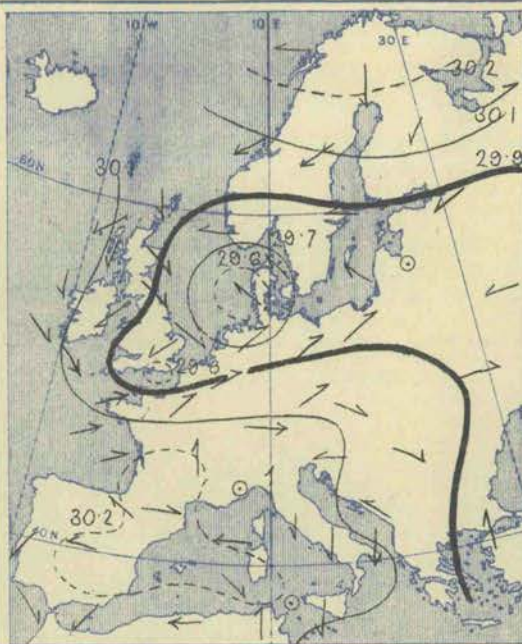
Temperature and Weather.

8 a.m.

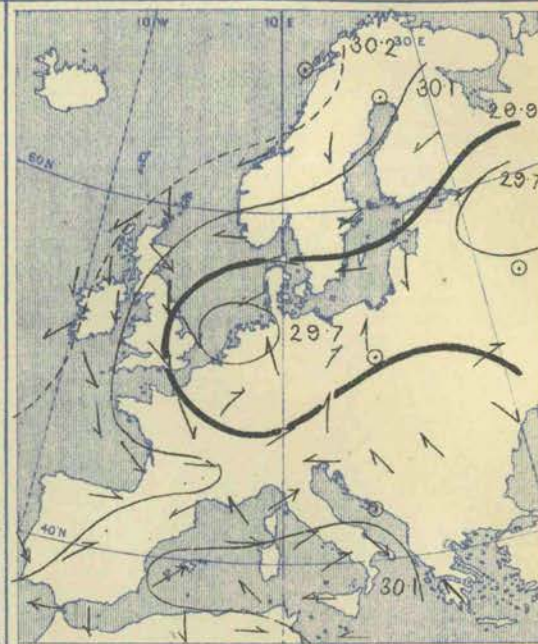


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, south-western and southern Europe, as well as over Scandinavia and the Hebrides, cloudy over the west and north of the British Isles, squally and showery in the north-east, and unusually dull and rainy over the English Channel and south of England (2 ins. of rain at Eastbourne in 7 hours; 0.5 ins. in 5 minutes). Some further rain at our southern and eastern stations later, in France, and Germany, as well as in Denmark and Sweden and northern parts of Russia, lightning on our east coast, thunderstorms in Holland.

Temperature changing fitfully in our Islands, falling over England. Morning readings highest, 84° at Athens, 80° at Patras; above 70° at many of the Mediterranean stations. Below 60° almost all over Europe, and, lowest of all, (1) 39° at Haparanda, 43° at Archangel, 47° at Warsaw, 49° at Moscow; (2) 47° to 50° over the inland parts of England, 49° at Parsonstown. Scarcely touching 60° in our Islands and the north of France all day, but reaching 73° at Nice, 86° at Lisbon and some parts of Italy, 90° at Lagonat and Tunis.

Wind North-Easterly, moderate to a fresh gale, over Scandinavia; Northerly and North-Westerly, moderate to strong, over our Islands, West-South-Westerly, strong, in the north of France, South-Westerly, moderate to light, over Germany, South-Easterly over Denmark. Rising to a gale from North-West over the south-east of England and Straits of Dover later, and shifting to East and North-East over Denmark.

Barometer highest, 30.2 ins. and more to 30.1 ins. over southern Europe and also over Lapland and the northern parts of Scandinavia, and exceeding 30.1 ins. over the west of Ireland. Lowest, 29.8 ins. and less over central Russia; 29.6 ins. and less in a well-formed depression over Denmark and Holstein, and below 29.8 ins. in a well-formed secondary over the Isle of Wight. Danish disturbance moving southwards later and merging with the secondary mentioned above. Barometer rising fast over Scotland, Ireland, and England.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 212.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	24.8	?	26	?	EASTBOURNE	32.6	?	35	?
OSWALDKIRK (Yorkshire)	24.3	?	27	?	MANCHESTER (Oldham Road)	21.3*	?	23*	?
WORKSOP	34.8	+ 6.4	38	+ 7	TENBY	43.6*	?	47*	?
THURCASTON (Leicestershire)	25.1	+ 0.2	32	0	NEWQUAY	47.0	?	52	?
MARGATE	33.4	?	56	?	TORQUAY	41.9*	?	46*	?
WESTBOURNE (Sussex)	34.3*	?	37*	?	ARLEY COTTAGE (County Cavan)	53.0	?	57	?
BRIGHTON	36.2	?	39	?	GUERNSEY	29.8*	?	33*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT

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VOL. XI. No. 37.]
Third Series.

WEEK ENDING SATURDAY, SEPTEMBER 15TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. **RAINFALL.**—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. **BRIGHT SUNSHINE.**—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 218.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	40	58.2	47.3	52.5	1 above	Day-deg. 74	Day-deg. + 7	Day-deg. 0	Day-deg. - 1	Day-deg. 1795	Day-deg. +304	Day-deg. 495	Day-deg. - 52
	1. SCOTLAND, EAST	69	31	63.4	44.8	53.7	1 above	82	0	0	- 1	1887	- 44	581	+ 6
	2. ENGLAND, N.E.	69	36	61.3	46.5	53.5	1 below	81	- 8	0	- 1	2063	+ 31	455	- 53
	3. ENGLAND, EAST.	69	37	62.2	47.5	54.4	2 below	87	-14	0	0	2414	+ 43	471	-100
	4. MIDLAND COUNTIES.	69	36	63.3	43.9	53.2	2 below	78	-18	0	- 1	2389	+ 52	483	- 80
5. ENGLAND, SOUTH	70	39	63.4	48.0	55.3	3 below	93	-17	0	0	2634	+ 83	303	-119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	32	62.3	44.8	53.2	1 below	78	- 5	0	0	2017	+ 41	345	- 69
	7. ENGLAND, N.W.	64	37	61.2	48.2	54.4	1 below	87	- 7	0	0	2306	+162	302	-120
	8. ENGLAND, S.W.	69	34	63.4	45.8	54.2	3 below	85	-17	0	0	2440	+ 81	236	- 81
	9. IRELAND, NORTH	68	31	62.2	46.7	54.1	0 (average)	85	- 3	0	0	2139	+ 29	334	- 33
	10. IRELAND, SOUTH	69	33	62.6	46.1	53.9	2 below	83	-12	0	0	2427*	+ 63	217	- 67
	-CHANNEL ISLANDS	66	48	61.5	53.4	57.3	2 below	107	-13	0	0	2841	+204	94	- 18

DISTRICTS. (See p. 213.)		Rainfall.						Bright Sunshine.								
		For the Week			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of in. 1	10ths of ins. 10 less	164	- 3	37.8	+ 5.9	24	- 8	27	- 10	957	+142	33	+ 4
	1. SCOTLAND, EAST	1	less than ½	7 less	147	+ 9	26.5	+ 4.9	36	+ 3	40	+ 3	1097	+ 57	35	+ 2
	2. ENGLAND, N.E.	1	less than ½	6 less	148	+21	18.5	+ 0.6	36	+10	40	+ 12	1118	+114	33	+ 3
	3. ENGLAND, EAST.	2	1	5 less	141	+17	18.1	+ 0.5	33	0	37	0	1229	- 14	36	0
	4. MIDLAND COUNTIES.	0	—	7 less	138	+16	17.4	- 2.1	39	+10	43	+ 10	1137	+ 33	33	+ 1
5. ENGLAND, SOUTH	1	1	6 less	137	+19	20.3	+ 2.1	37	+ 1	41	+ 2	1316	+ 15	27	0	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	1	10 less	154	+ 8	31.5	+ 1.4	46	+18	51	+ 20	1164	+ 58	34	+ 2
	7. ENGLAND, N.W.	0	—	9 less	152	+19	24.5	+ 1.7	37	+17	41	+ 19	1057	+ 50	33	+ 1
	8. ENGLAND, S.W.	0	—	9 less	153	+17	27.2	+ 0.8	59	+22	66	+ 25	1346	+ 7	39	+ 1
	9. IRELAND, NORTH	2	less than ½	8 less	172	+14	27.3	+ 2.9	30	+ 6	34	+ 7	1030	+ 36	30	+ 1
	10. IRELAND, SOUTH	0	—	8 less	156	+12	29.2	+ 2.7	39	+ 9	44	+ 11	1095	- 81	32	- 2
	-CHANNEL ISLANDS	1	less than ½	7 less	157	+14	25.3	+ 4.3	54	+ 3	61	+ 5	1450	- 98	43	- 3

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was much finer and drier than of late, but a good deal of cloud and mist prevailed during the latter part of the time over the south and south-east of England, and some slight drizzling rain was experienced.

Temperature was slightly above the mean in Scotland N. and E., and just equal to it in Ireland N., but continued below the normal in all other districts. The highest of the maxima were recorded on the 11th, and ranged from 70° in England S. to 66° in the Channel Islands and to 63° in Scotland N. The lowest of the minima were registered during the earlier part of the week, when the thermometer fell to 31° in Scotland E. and Ireland N., to 32° in Scotland W., and to 33° in Ireland S. In most other parts of the Kingdom they varied from 34° to 40°, but in the Channel Islands the thermometer did not fall below 48°.

Rainfall was much less than the mean in all districts. Over the greater part of the Kingdom the weather was quite rainless.

Bright Sunshine exceeded the mean in all districts excepting Scotland N. and England E. The percentage of the possible duration ranged from 66 in England S.W., 61 in the Channel Islands, and 51 in Scotland W., to 34 in Ireland N., and 27 in Scotland N.

Barometer and Wind.—During the whole of this week the distribution of pressure over our Islands was anticyclonic, and no depressions appeared in our immediate neighbourhood. The winds were consequently light or moderate in force generally, from the Westward in the north and from the Northward and North-Eastward in the east and south, while in the west light variable airs were prevalent. On the night of the 12th, however, when a deep depression travelled across the north of Scandinavia, a slight gale from the North-Westward was experienced in the north of Scotland.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head	58	44	55.3	47.0	51.0	+ 0.2	63	0	4	0.11	-0.66	*	*	*	*
	Stornoway	62	41	58.4	48.6	53.3	+ 2.0	79	0	5	0.12	-0.83	16.6	- 8.6	18	-10
	Wick	60	42	59.1	47.9	53.2	+ 1.4	78	0	1	0.01	-0.59	*	*	*	*
	Lairg												*	*	*	*
	Glencarron	61	40	58.5	45.9	51.9	+ 0.9	69	0	3	0.21	-1.37	*	*	*	*
	Fort Augustus												32.1	?	36	?
1. SCOTLAND, E.	Fort William	63	40	59.7	47.1	53.1	- 0.2	78	0	3	0.15	-1.37	*	*	*	*
	Nairn	65	37	63.4	45.3	53.9	+ 0.7	83	0	2	0.08	-0.52	*	*	*	*
	Aberdeen	68	37	62.3	47.0	54.3	+ 2.1	86	0	0	—	-0.68	30.9	+ 3.1	34	+ 3
	Braemar	64	31	60.3	40.9	50.1	+ 0.5	61	3	1	0.01	-0.79	31.9†	††	35†	††
	Ochertyre	68	37	66.4	44.7	55.0	+ 1.9	91	0	0	—	-0.85	*	*	*	*
	Leith	69	42	65.6	46.0	55.3	+ 0.5	93	0	0	—	-0.57	*	*	*	*
2. ENGLAND, N.E.	Marchmont	67	38	2.3	45.1	53.3	+ 0.9	79	0	0	—	-0.80	41.5	?	46	?
	Alnwick Castle	65	40	59.0	45.7	52.0	- 0.7	70	0	1	0.08	-0.62	*	*	*	*
	Durham	69	36	62.9	43.9	52.9	- 1.0	76	0	1	0.01	-0.57	32.0	+ 6.4	36	+ 7
	Shields	66	41	60.6	46.7	53.3	- 2.3	79	0	0	—	-0.55	*	*	*	*
	Scarborough	68	44	61.5	47.6	54.2	- 0.8	85	0	1	0.01	-0.64	*	*	*	*
	York	68	41	64.4	45.0	54.2	- 1.2	85	0	0	—	-0.64	40.6	+15.0	46	+18
3. ENGLAND, E.	Spurn Head	62	48	59.1	50.3	54.5	- 2.2	88	0	1	0.02	-0.45	*	*	*	*
	Hillington	68	37	61.5	46.3	53.5	- 2.3	81	0	2	0.13	-0.60	28.6	- 1.2	32	- 2
	Yarmouth	65	45	62.3	49.9	56.3	- 0.6	100	0	3	0.09	-0.59	*	*	*	*
	Geldeston	68	40	62.0	47.6	54.3	- 2.5	86	0	2	0.12	-0.43	37.8	+ 2.0	42	+ 2
	Cambridge	69	40	63.9	46.0	54.5	- 2.5	88	0	1	0.05	-0.47	33.9	+ 1.7	38	+ 1
	Rothamsted	66	41	61.3	46.0	53.6	- 2.1	81	0	2	0.22	-0.40	?	?	?	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)												*	*	*	*
	Loughborough	67	36	64.4	42.7	53.0	- 3.6	77	0	0	—	-0.64	*	*	*	*
	Stamford (Ketton Hall)	68	37	64.6	41.9	52.7	- 3.7	75	0	1	0.01	-0.69	*	*	*	*
	Cheadle	63	41	61.3	44.8	52.7	- 1.1	75	0	0	—	-0.70	*	*	*	*
	Churchstoke	66	36	63.2	41.2	51.9	- 2.2	73	2	0	—	-0.65	39.3	+ 9.3	44	+10
	Hereford	68	39	64.0	45.1	54.1	- 2.0	85	0	0	—	-0.63	*	*	*	*
5. ENGLAND, S.	Cirencester	65	41	61.4	45.0	52.8	- 2.2	76	0	0	—	-0.73	42.6	+13.4	48	+15
	Oxford	69	42	64.3	46.6	55.0	- 1.6	91	0	1	0.06	-0.54	41.5	+ 9.3	47	+10
	London	68	42	63.4	48.0	55.3	- 2.8	93	0	2	0.06	-0.48	29.8†	+ 2.3†	33†	+ 2†
	North Foreland	64	46	60.9	50.7	55.6	- 2.0	95	0	2	0.10	?	*	*	*	*
	Strathfield Turgiss	68	39	64.1	45.4	54.3	- 2.5	86	0	0	—	-0.50	*	*	*	*
	Dungeness	64	41	62.3	48.1	54.9	- 3.6	90	0	2	0.09	-0.51	*	*	*	*
6. SCOTLAND, W.	Hastings (St. Leonards)	65	50	62.6	50.5	56.3	- 2.5	100	0	2	0.14	-0.48	37.7	- 0.1	42	0
	Southampton	70	43	65.8	47.2	56.1	- 2.1	99	0	0	—	-0.68	38.8	+ 2.7	44	+ 4
	Hurst Castle	69	45	64.9	49.1	56.6	- 2.0	102	0	0	—	-0.69	*	*	*	*
	Stowell	65	39	62.8	44.8	53.4	- 2.2	80	0	1	0.02	?	*	*	*	*
	Laudale (Loch Sunart)	63	41	59.5	46.6	52.7	- 0.9	75	0	4	0.20	-1.33	*	*	*	*
	Glasgow	64	39	61.3	45.1	52.8	- 0.3	76	0	2	0.01	-0.91	34.3	+11.1	38	+13
7. ENGLAND, N.W.	Ardrossan	64	40	61.9	46.4	53.8	- 1.0	83	0	2	0.02	-0.83	*	*	*	*
	Glendee	67	32	64.9	41.5	52.9	+ 0.2	78	1	0	—	-1.18	*	*	*	*
	Douglas (Isle of Man)	67	40	64.0	44.6	53.8	- 0.5	83	0	0	—	-0.88	56.9	+24.4	64	+28
	Stonyhurst	63	40	60.6	45.3	52.6	- 2.0	74	0	0	—	-1.15	43.7	+14.9	49	+15
	Blackpool	64	37	62.2	45.5	53.5	- 1.5	81	0	0	—	-0.59	44.6	+16.1	60	+18
	Manchester (Prestwich)	64	40	61.9	44.7	52.9	- 2.1	76	0	0	—	-0.80	27.8	?	31	?
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	61	46	60.0	50.6	55.1	- 1.2	92	0	0	—	-0.75	*	*	*	*
	Llandudno	64	46	61.8	51.9	56.6	- 0.4	102	0	0	—	-0.70	45.1	+18.1	51	+21
	Holyhead	64	49	60.6	51.4	55.8	- 1.0	97	0	0	—	-0.72	*	*	*	*
	Llandovery	69	34	67.1	38.3	52.0	- 3.8	86	10	0	—	-1.10	*	*	*	*
	Pembroke	65	48	61.0	50.3	55.4	- 1.4	94	0	6	—	-0.50	68.2	+33.6	77	+38
	Bristol (Montpelier)	69	44	65.3	45.9	55.1	- 1.5	92	0	0	—	-0.80	*	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	64	41	62.1	43.4	52.3	- 3.2	72	0	1	0.01	-1.09	*	*	*	*
	Cullompton	69	38	64.4	43.7	53.6	- 2.2	81	0	0	—	-0.79	49.0	+16.4	55	+18
	Falmouth	65	46	61.8	48.3	54.7	- 2.9	89	0	0	—	-1.09	56.7	+21.2	64	+24
	Plymouth	66	45	63.4	47.7	55.2	- 2.8	92	0	0	—	-0.88	54.1	+15.3	61	+20
	Prawle Point	66	45	62.3	48.4	55.0	- 2.4	91	0	0	—	-0.55	*	*	*	*
	Malin Head	60	47	58.1	52.0	54.9	+ 1.1	90	0	2	0.03	?	*	*	*	*
10. IRELAND, S.	Londonderry	67	42	65.0	49.7	57.0	+ 2.6	105	0	2	0.03	-0.87	*	*	*	*
	Edenfel (Omagh)	64	35	61.4	42.6	51.6	- 1.9	67	0	1	0.01	-0.81	*	*	*	*
	Belmullet	61	45	59.7	53.1	56.2	- 0.8	99	0	6	0.17	?	*	*	*	*
	Markree Castle	65	31	62.5	44.6	53.1	- 0.4	78	0	0	—	-0.73	23.4	+ 4.0	30	+ 5
	Brookeborough	68	32	64.4	43.1	53.5	+ 0.8	81	0	0	—	-0.88	*	*	*	*
	Armagh	65	37	62.8	43.6	52.7	- 1.1	75	3	2	0.02	-0.71	33.2	+ 8.7	37	+ 9
CHANNEL ISLANDS.	Donaghadee	65	42	63.0	46.6	54.4	- 0.2	87	0	1	0.01	-0.79	*	*	*	*
	Edgeworthstown	66	36	63.0	45.2	53.7	+ 0.1	82	0	0	—	-0.74	*	*	*	*
	Dublin	64	41	61.4	47.2	54.0	- 1.8	84	0	0	—	-0.76	34.3	+ 3.5	39	+ 5
	Parsonstown	64	34	61.6	41.7	51.2	- 3.4	66	1	0	—	-0.75	33.9	+ 5.9	38	+ 7
	Kilkenny	66	35	62.3	42.7	52.0	- 3.6	70	0	0	—	-0.75	*	*	*	*
	Roche's Point	69	44	64.1	48.9	56.1	- 0.5	99	0	0	—	-0.97	*	*	*	*
CHANNEL ISLANDS.	Valencia	67	40	63.6	47.1	55.0	- 1.8	91	0	3	—	-1.08	49.0	+19.5	55	+22
	Killarney	67	38	63.9	44.4	53.7	- 2.1	82	0	1	0.06	?	*	*	*	*
CHANNEL ISLANDS.	Foynes	65	41	61.0	50.5	55.5	+ 0.1	95	0	0	0.01	?	*	*	*	*
	Scilly (St. Mary's)	62	51	60.0	53.7	56.7	- 1.9	103	0	0	—	-0.73	65.1	?	74	?
CHANNEL ISLANDS.	Jersey	66	48	63.0	53.1	57.8	- 2.5	111	0	1	0.02	-0.68	46.4	+ 3.4	53	+ 5

Stations marked ‡ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 9th September.

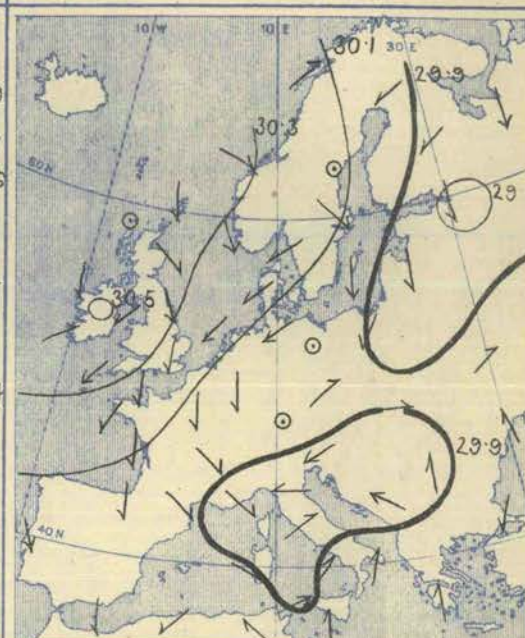
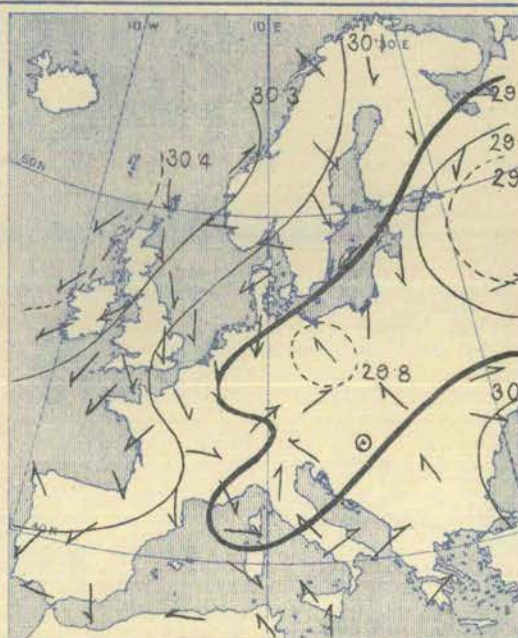
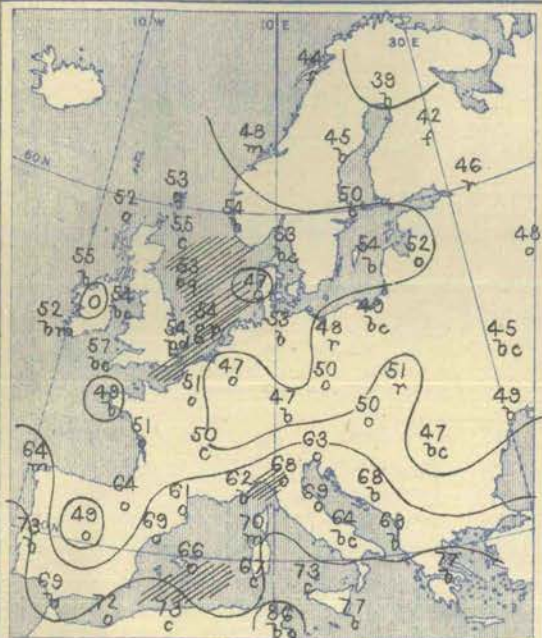
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine in the western parts of the United Kingdom, but cloudy in the north of Scotland, and showery in the east and south-east of England. Dull and unsettled in all the more central parts of the Continent, with rain at several of the German and Austrian stations, as well as at St. Petersburg, and with thunder at the Helder. Fine in Scandinavia and also in the southern parts of Spain, Italy, and Russia. Fine weather spreading later over the whole of our Islands; lightning seen at some of our southern stations at night and thunder heard at Paris. Heavy rain falling during day in the north of Spain.

Temperature risen a little in our Islands, as well as in Italy and the south of France, but fallen in nearly all other localities. Morning readings highest, 86° at Tunis, 77° at Brindisi and Malta, and 76° at Aumale; above 65° at most of the Mediterranean stations. Lowest, (1) 39° at Parsonstown; (2) 39° at Haparanda, 42° at Uleaborg and Kuopio, and 44° at Bodö; below 50° in many parts of Scandinavia, Russia, and Germany. Daily maxima very little above 60° in any part of our Islands, and below that point at many of the northern stations. Thermometer exceeding 70° over southern Europe generally, and exceeding 80° in the south of Italy.

Wind light to fresh from the Northward or North-Eastward over the whole of northern and north-western Europe. Light from the North-Westward over the central and southern parts of France; variable in Italy, South-Westward in south Germany, but South-Eastward in the eastern parts of that country. Light from the Westward or South-Westward over the central and southern parts of Russia. Subsequently backing to the North-Westward at some of our own northern stations; no important change occurring elsewhere.

Barometer highest, 30.4 ins. and upwards in an anticyclone lying to the west and north-west of our Islands; 30.1 ins. and upwards in another system over the Black Sea. Lowest, 29.6 ins. and less in a well-marked depression over central Russia, 29.5 ins. and less in two other disturbances, one lying over Germany, and the other over the Gulf of Genoa. Anticyclone to westward of our Islands spreading eastwards during day, and barometer rising in all parts of western Europe. Depression over Russia gradually filling up.

Monday, 10th September.

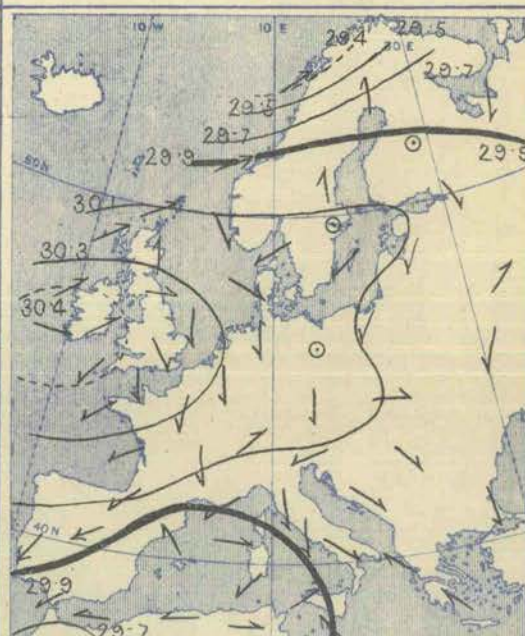
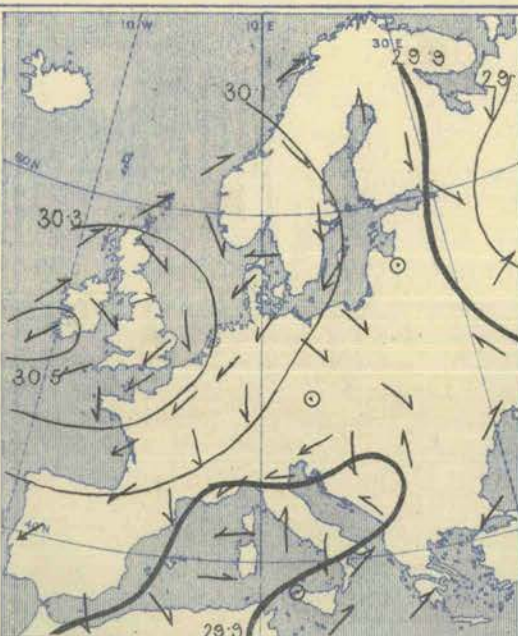
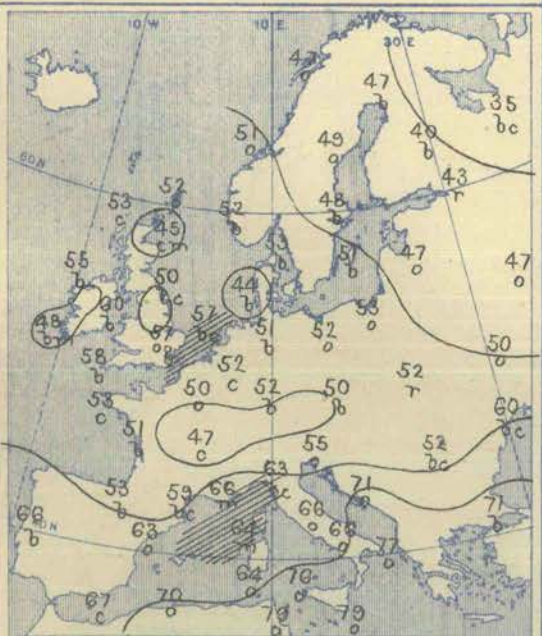
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather fine and bright over the greater part of Ireland and England, but cloudy in Scotland. Dull in the west of Norway and also in Germany, the central parts of France and Russia, and the south of Italy, with rain at St. Petersburg; fine in nearly all other parts of the Continent, but a thunderstorm reported at Bilbao. A little rain falling later in the extreme north and north-west of our Islands, and a large amount at Bodö; lightning seen at Wick during the night. Thunderstorms occurring at Algiers.

Temperature fallen a little in our Islands, but changed irregularly at the Continental stations. Morning readings highest, 79° at Malta and Sfax, 77° at Brindisi, Athens, and Patras, and 76° at Palermo; above 60° in most parts of southern Europe. Lowest, (1) 35° at Archangel, 40° at Kuopio, and 42° at Uleaborg; (2) 43° at Parsonstown and 45° at Aberdeen (slightly below 50° in several parts of the United Kingdom). Daily maxima over our Islands somewhat higher than of late; thermometer reaching 67° at York and 69° at Hurst Castle. Exceeding 65° in the south of France, and exceeding 75° in many parts of Spain and Italy, the highest reading of all being 100° at Palermo.

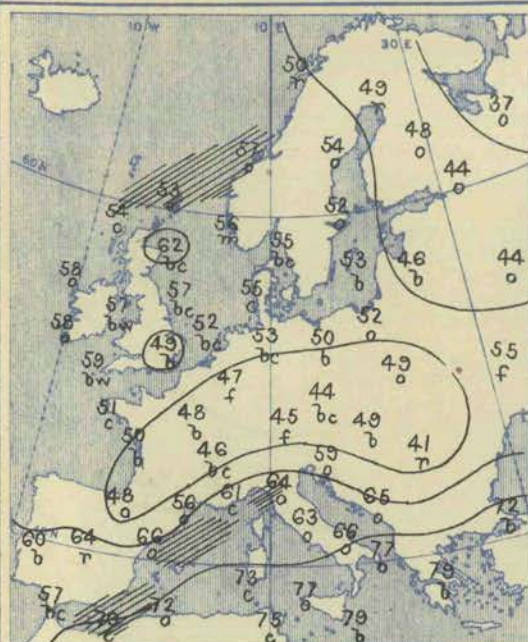
Wind light to moderate from the Northward or North-Eastward over the greater part of western and northern Europe, but South-Westward in the west of Norway and the extreme north and north-west of our Islands. North-Westward in Germany, variable in Italy and Austria; light from the Southward over the central and southern parts of Russia; Northerly or North-Westward in Algeria. Freshening South-Westward winds setting in later on our own extreme north-west coasts and also in the west of Norway. No important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over the south of Ireland; 30.1 ins. and upwards in an anticyclone covering nearly the whole of western Europe. Lowest, 29.7 ins. and less in a large shallow depression over the northern parts of Russia; 29.5 ins. and less in an irregularly shaped area stretching north-eastwards from Algeria to the central parts of Italy and the Adriatic. Large depression beginning to advance later to the northwest of Norway, and barometer falling decidedly over the northern parts of our area. Low-pressure systems over Russia and the Mediterranean gradually filling up.

Tuesday, 11th September.

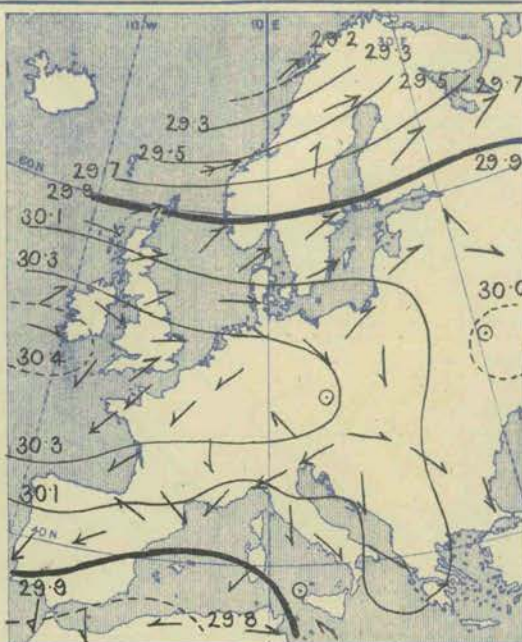
Temperature and Weather.

8 a.m.

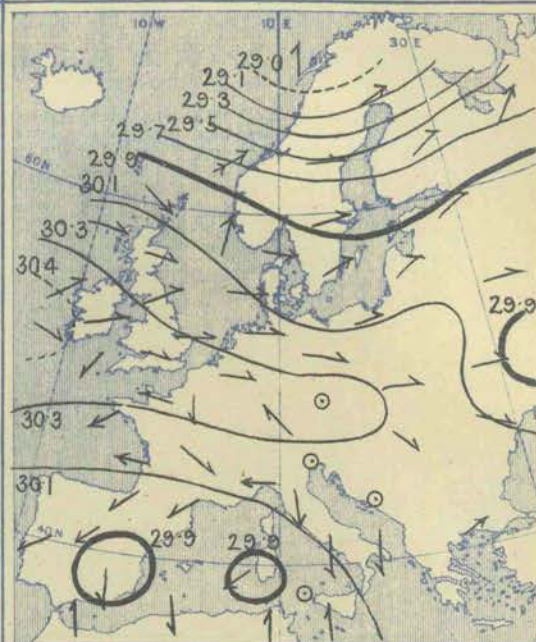


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of western and central Europe, but cloudy and showery in the extreme north-west of our Islands. Dull over Scandinavia and northern Russia, with rain at Bodö, Haparanda, and Uleaborg; dull also in Italy and the south of France and rainy at Madrid. Slight rain falling during day in the extreme north and north-west of our Islands, larger quantities in Russia and the west of Norway, and still larger amounts in Spain, as much as 1.9 ins. at Madrid and 1.3 ins. at Alicante.

Temperature risen in the more northern countries, but changed irregularly in the south. Morning readings highest, 79° at Patras, Malta, and Tunis, and 77° at Brindisi and Palermo; above 60° in many parts of southern Europe and also in the east of Scotland. Lowest, (1) 37° at Archangel and 44° at St. Petersburg and Moscow; (2) 44° at Prague and 45° at Münster and Munich; below 50° in some parts of central England. Rising during day to between 65° and 69° in many parts of Great Britain, but remaining below 60° on our extreme north and north-west coasts. Exceeding 70° in most parts of southern Europe, and exceeding 80° in the south of Italy, the highest reading of all being 88° at Palermo and Malta.

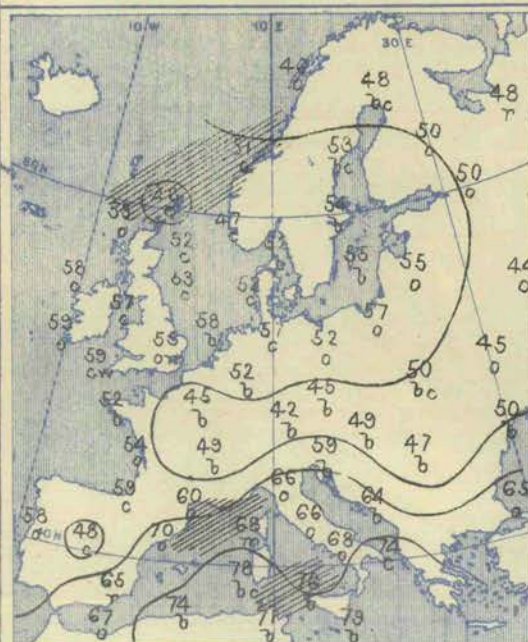
Wind Westerly or South-Westerly over the more northern parts of our Islands and the Continent, and strong in force in places, with a gale at Christiansund. Light from the Northward in the south of our Islands, light to fresh from the North-Eastward over France and the Spanish Peninsula. Calm or variable over the southern parts of Germany; Northerly or North-Westerly in Italy; variable in Greece. Subsequently increasing to a gale from the Westward at several of the Scandinavian stations; fresh North-Westerly gale experienced in the north-east of Scotland at night.

Barometer highest, 30.4 ins. and upwards in the south of Ireland; 30.3 ins. and upwards in a large anticyclone extending from the Atlantic over Ireland, England, the Netherlands, Germany, and the north of France. Lowest, 29.4 ins. and less in a large depression, the centre of which lay off the north-west of Norway (gradients rather steep over northern Europe); 29.8 ins. and less over Algeria and the extreme south of Spain. Depression in far north subsequently advancing in an east-south-easterly direction across the north of Scandinavia; barometer rising again in the north of our Islands and the west of Norway.

Wednesday, 12th September.

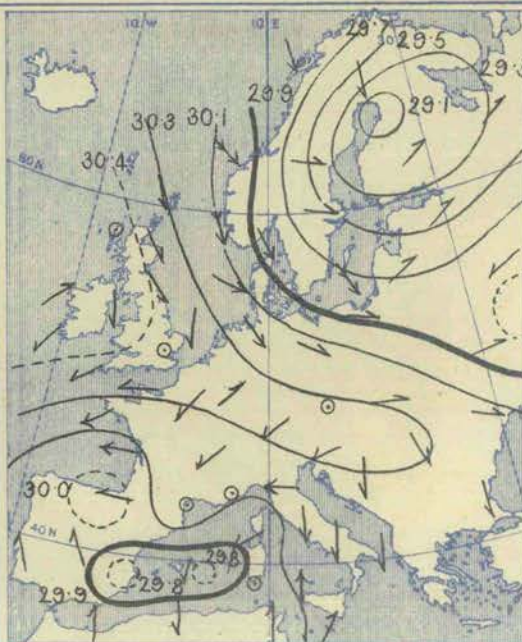
Temperature and Weather.

8 a.m.

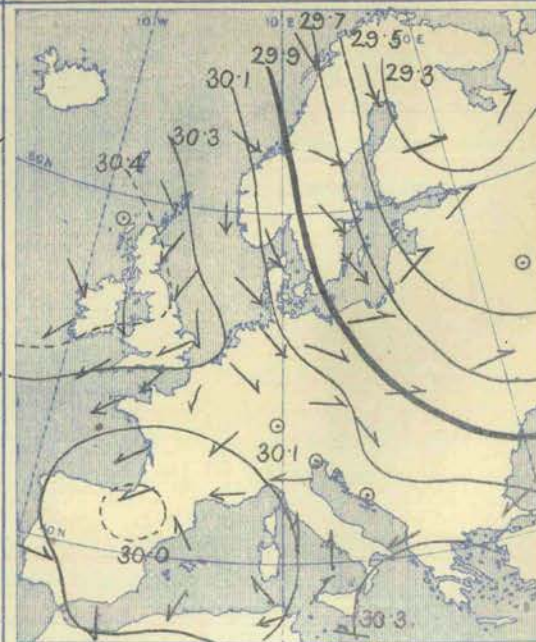


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over western, southern, and south-eastern Europe generally, and in most places clear and bright, but foggy or hazy over several parts of England and the Channel. Very unsettled and rainy over northern Europe, and overcast at all the Russian and north German stations. Rain falling over northern Europe later, and thunderstorms occurring in the west of France; no important change taking place in our Islands.

Temperature highest, 79° at Malta, 78° at Cagliari, 74° at Algiers and Brindisi; exceeding 80° at the Mediterranean and Adriatic stations generally; 60° at Roche's Point, 59° at Valencia and Sicily. Lowest, (1) 44° at Moscow, 45° at Kiev, 46° at Bodö, 48° at Archangel; (2) 42° at Munich, 43° at Vienna, 45° at Prague, and 46° at Wiesbaden and Paris. Rising later to between 60° and 66° over the greater part of the United Kingdom, and touching 69° at Roche's Point. Exceeding 80° in Italy and the south of France, the highest readings of all being 104° at Palermo and 90° at Rome.

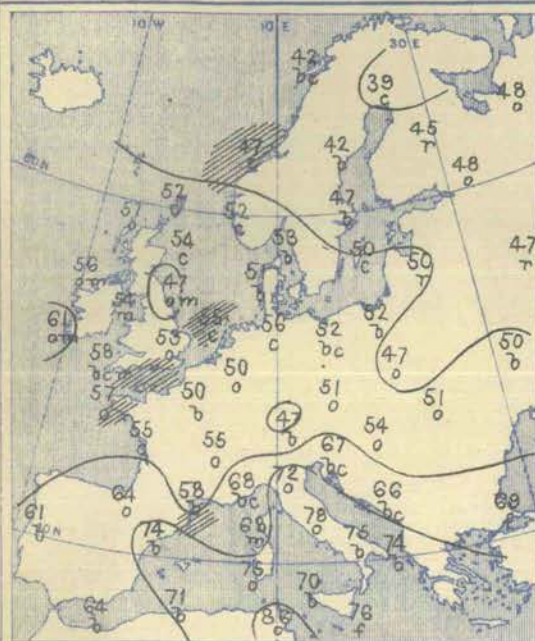
Wind (1) light and anticyclonic over the northern and western parts of our Islands, Northerly over the greater part of England, Easterly in the west of France; calm and anticyclonic over western and southern Germany; (2) strong and cyclonic over northern Europe, North-Westerly gales in Norway. Westerly in the south of Sweden, and moderate breezes in the north of Russia; (3) a very complex cyclonic circulation over the western parts of the Mediterranean. Very little change in our Islands later, wind in Norway veering Northward and gale subsiding, but increasing considerably from North-Westward in Sweden.

Barometer highest, 30.4 ins. and more over the western and northern parts of our Islands, and exceeding 30.3 ins. in a band extending thence across western Germany to Austria. Lowest, 29.1 ins. and less to 29.3 ins. in a depression over northern Europe, and below 29.8 ins. in a secondary system over the southern half of Russia; (2) 29.8 ins. and less in a complex series of disturbances over the Peninsula and western parts of the Mediterranean. Depression over Finland subsequently moving south-eastwards; Mediterranean disturbances partially filling up.

Thursday, 13th September.

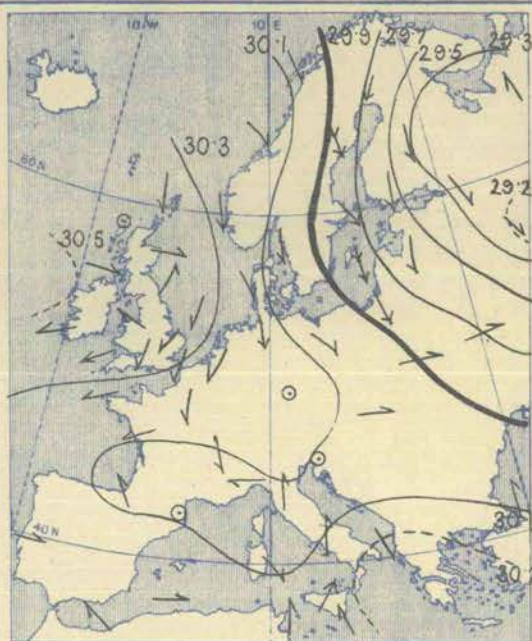
Temperature and Weather.

8 a.m.

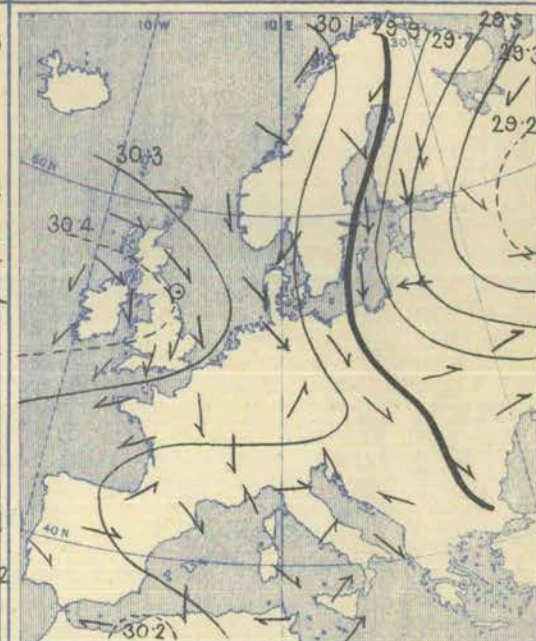


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair and dry over the greater part of our Islands and the Continent, but with a good deal of cloud in places. Dull over Poland and Russia, with rain at Kuopio and Riga. Slight showers falling later in the extreme north and north-west of our Islands and also in the south-east of England; considerable quantities of rain reported over the south of France and the north of Spain, with thunderstorms at Biarritz and Clermont. Lunar halos seen at some of our own southern stations.

Temperature risen in the north of our Islands, as well as in most parts of central and southern Europe, but fallen elsewhere. Morning readings highest, 86° at Tunis, 82° at Stax, 78° at Rome, and 76° at Malta; above 65° in most of the southern countries. Lowest, 39° at Haparanda, 40° at Uleaborg, 42° at Bodö and Hernösand, and 43° at Helsingfors; below 50° in many parts of northern Europe and also in the north of England. Daily maxima over our Islands ranging in most places between 57° and 62°, but thermometer reaching 69° at Leith. Exceeding 75° in the south of France, and exceeding 85° in the south of Italy, the highest reading of all being 100° at Palermo.

Wind light from the Westward (South-West to North-West) in the north of our Islands, moderate to strong from the North-Eastward on our southern coasts and in the west and north of France. Northerly or North-Westerly over Scandinavia, Finland, and Denmark, with severe gales at several of the Swedish stations, light from the Westward or North-Westward over Germany, Austria, and the south of Russia. Southerly in Italy, variable in the south of France and also in Algeria. Wind subsiding later over the northern parts of Sweden, but Northerly gale springing up over the Gulf of Finland; no important change occurring elsewhere.

Barometer highest, 30.4 ins. and upwards in an anticyclone covering the greater part of our Islands. Lowest, 29.3 ins. and less in a well-marked depression over central Russia; gradients steep over Sweden, Finland, and western Russia. Slight fall of barometer taking place during day over the north of our Islands, but position of anticyclone remaining unchanged. Depression over Russia also remaining fairly stationary.

Friday, 14th September.

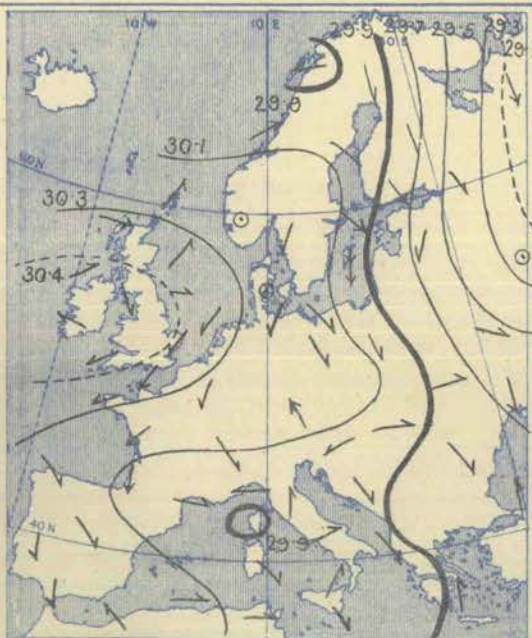
Temperature and Weather.

8 a.m.

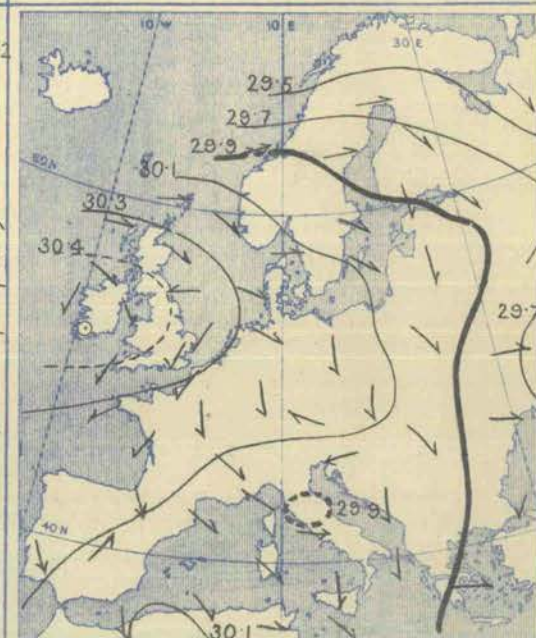


Barometer and Wind.

8 a.m.



6 p.m.



Weather cloudy and overcast over our Islands and the neighbouring parts of the Continent, with fog or mist at several of our western stations, and with rain at Stornoway. Fine and bright over Sweden, Denmark, and the greater part of central and southern Europe, but rainy at Biarritz; dull in Russia, with rain at Archangel and St. Petersburg. Showers falling during day at several of our own northern and eastern stations, and heavy rain in the north-west of Norway. Aurora seen at Aberdeen.

Temperature risen a little over Great Britain, but fallen in nearly all other parts of Europe. Morning readings highest, 82° at Stax, 81° at Athens, 80° at Tunis, and 79° at Malta; above 65° at the Mediterranean and Adriatic stations generally. Lowest, 34° at Kuopio, 35° at Haparanda and Uleaborg, and 36° at Archangel; lowest in our Islands, 48° at Parsonstown and 50° at York. Daily maxima below 60° at several of our own north-western and extreme northern stations, but thermometer exceeding 65° at Leith, York, Valencia, and Oxford. Rising to 70° or more over southern Europe generally, and to 80° or more over the southern parts of Italy, the highest reading of all being 90° at Malta.

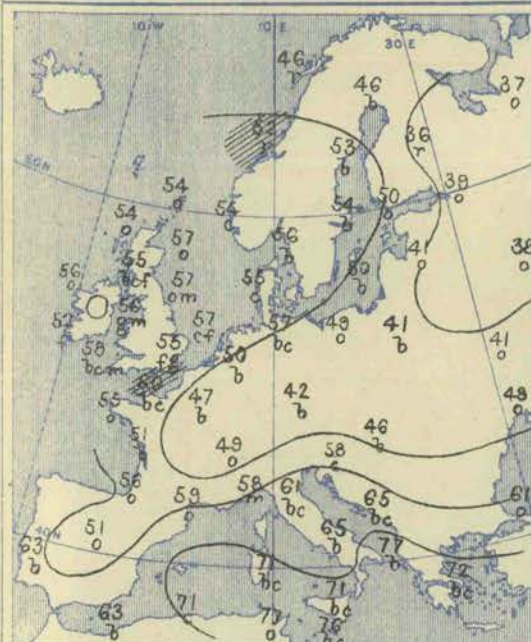
Wind light from the Westward or South-Westward over the northern parts of our Islands, but moderate to fresh from the North-Eastward on our southern coasts and the French coasts. Northerly or North-Westerly over Denmark, Germany, Sweden, and northern Russia, with a gale at Wisby; light from the Westward over Austria and some parts of the south of Russia. Variable in Italy, Algeria, and the south of France. No important change occurring over our Islands during day, but South-Westerly gale springing up in the west of Norway.

Barometer highest, 30.4 ins. and upwards in an anticyclone lying over Ireland and the greater part of England. Lowest, 29.2 ins. and less in a large depression over the northern parts of Russia; 29.9 ins. and less in two other disturbances, one lying off the north-west of Norway, and the other over the Gulf of Genoa. Norwegian disturbance subsequently moving quickly eastwards, but new depression approaching Norway in evening. Small cyclonic system appearing over the south of Russia.

Saturday, 15th September.

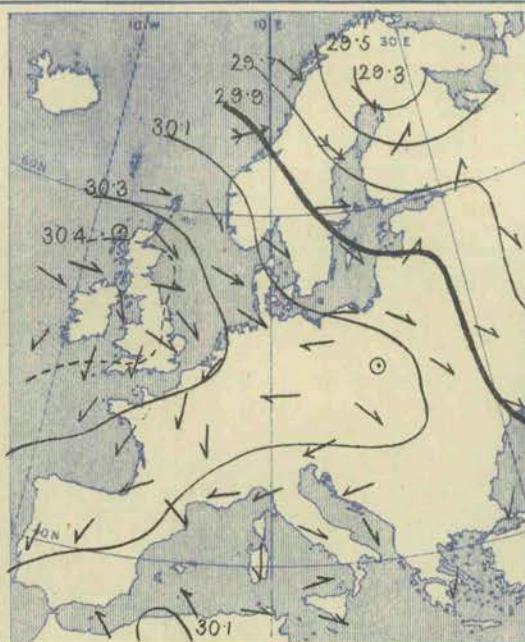
Temperature and Weather.

8 a.m.

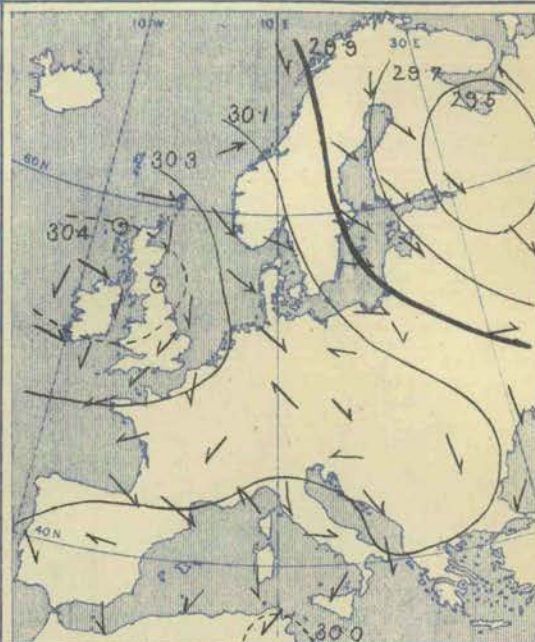


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy in most parts of the United Kingdom, with fog or mist in many places, and with passing showers over the Straits of Dover. Fine over the Continent generally, but dull or misty in the south of France, and rainy in Finland and the west of Norway. A little rain falling during day in the south-east of England, the Hebrides, and the Channel Islands, but sky clearing in many other parts of the United Kingdom.

Temperature changed irregularly in our Islands, risen in Scandinavia and also in Spain, fallen in most other parts of Europe. Morning readings highest, 82° at Sfax, 79° at Patras, and 77° at Brindisi and Tunis; above 60° at most of the Mediterranean stations, and very little below that point in the eastern and south-eastern parts of Great Britain. Lowest, 36° at Kuopio, 37° at Archangel, 38° at Moscow, and 39° at St. Petersburg; below 45° over Russia and Poland generally. Daily maxima over our Islands varying in most cases between 60° and 65°, thermometer exceeding 70° over southern Europe generally, and exceeding 80° in some parts of southern Italy.

Wind Westerly or North-Westerly over the northern parts of our Islands and the Continent; light or moderate in force generally, but strong to a gale at some of the Scandinavian stations. Light to moderate from the North-Eastward over the southern parts of the United Kingdom, as well as over France and the Spanish Peninsula, Easterly over the Adriatic, North-Westerly in the south of Italy, Southerly or South-Easterly in Algeria. No important change occurring during day.

Barometer highest, 30.4 ins. and upwards over the greater part of the United Kingdom, 30.2 ins. and upwards over a considerable portion of western and central Europe. Lowest, 29.3 ins. and less in a well-marked depression lying over Lapland. Depression moving south-eastwards later, and barometer rising in Scandinavia; no important change occurring in our Islands and France.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: $\text{—}b$ = blue sky; $\text{—}c$ = detached clouds; $\text{—}o$ = overcast; $\text{—}m$ = misty (hazy); $\text{—}f$ = foggy; $\text{—}q$ = squally; $\text{—}r$ = rain; $\text{—}h$ = hail; $\text{—}s$ = snow; $\text{—}l$ = lightning; and $\text{—}t$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of the week a large anticyclone spread over western Europe from the Atlantic, the central portion of the system remaining over our Islands until the close of the period, while its borders extended eastwards over the more central countries. The weather in these regions was, therefore, fair and dry, with Westerly breezes in the north of our Islands, but with North-Easterly winds over our southern districts and the neighbouring parts of the Continent. Over northern Europe the conditions were affected by two large depressions which travelled in an east-south-easterly direction across the northern parts of Scandinavia and Russia on the 11th-12th and the 14th-15th. The first of these was of considerable depth, and occasioned heavy rain and strong Westerly to Northerly gales at many of the Scandinavian stations. Shallow depressions were observed on some occasions over the Mediterranean, but their effect upon the weather in the surrounding regions appears to have been very slight.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 218.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	39.2	?	44	?	EASTBOURNE	36.0	?	40	?
OSWALDKIRK (Yorkshire)	34.0	?	38	?	MANCHESTER (Oldham Road)	22.9*	?	26*	?
WORKSOP	34.1	+ 7.6	38	+ 9	TENBY	69.5*	?	78*	?
THURCASTON (Leicestershire)	35.9	+ 9.7	40	+10	NEWQUAY	58.0	?	66	?
MARGATE	32.2	?	56	?	TORQUAY	55.3*	?	63*	?
WESTBOURNE (Sussex)	39.3*	?	44*	?	ARLEY COTTAGE (County Cavan)	31.1	?	35	?
BRIGHTON	42.3	?	48	?	GUERNSEY	49.8*	?	57*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

ERRATUM.—It will be observed that page 165 (in No. 28) was erroneously numbered "162."

WEEKLY WEATHER REPORT

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 38.]
Third Series.

WEEK ENDING SATURDAY, SEPTEMBER 22ND, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 224.)		Temperature of the Air.													
		Observed during the Week.					Accumulated.								
		Highest.	Lowest.	Averages of			Above or below the Mean for the Week.	For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	68	36	58.1	46.1	51.8	1 above	Day-deg. 69	Day-deg. + 7	Day-deg. 0	Day-deg. - 1	Day-deg. 1865*	Day-deg. +311	Day-deg. 495	Day-deg. - 53
	1. SCOTLAND, EAST	68	34	57.8	45.8	51.5	0 (average)	67	- 6	0	- 1	1954	- 50	581	+ 5
	2. ENGLAND, N.E.	63	38	57.4	49.6	53.3	0 (average)	79	- 2	0	- 1	2142	+ 29	455	- 54
	3. ENGLAND, EAST.	72	39	60.6	50.0	55.0	0 (average)	91	- 3	0	0	2505	+ 40	471	- 100
	4. MIDLAND COUNTIES.	66	43	59.1	49.6	54.1	0 (average)	85	- 3	0	- 1	2474	+ 49	483	- 81
5. ENGLAND, SOUTH	69	40	61.5	52.8	56.9	1 above	104	+ 2	0	0	2738	+ 85	303	- 119	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	37	59.2	47.1	52.9	0 (average)	76	- 1	0	0	2093	+ 40	345	- 69
	7. ENGLAND, N.W.	65	43	59.1	49.7	54.1	0 (average)	85	0	0	0	2385*	+ 162	302	- 120
	8. ENGLAND, S.W.	71	41	61.4	51.5	56.2	1 above	99	+ 5	0	0	2539	+ 26	236	- 81
	9. IRELAND, NORTH	70	36	59.6	47.9	53.5	1 above	81	+ 1	0	0	2220	+ 80	334	- 33
	10. IRELAND, SOUTH	65	38	61.2	49.9	55.3	1 above	93	+ 4	0	0	2520	+ 67	217	- 67
-CHANNEL ISLANDS	69	49	64.6	55.6	59.9	1 above	125	+ 12	0	0	2966	+ 216	94	- 18	

DISTRICTS. (See p. 224.)		Rainfall.						Bright Sunshine.								
		For the Week			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	10ths of in. less than ½	11 less	165	- 6	27.8	+ 4.8	22	- 11	26	- 12	980*	+ 131	33	+ 4
	1. SCOTLAND, EAST	2	1	7 less	149	+ 8	26.6	+ 4.3	14	- 8	16	- 10	1111	+ 49	34	+ 1
	2. ENGLAND, N.E.	2	less than ½	6 less	150	+ 20	18.5	0.0	7	- 16	8	- 19	1125	+ 98	33	+ 3
	3. ENGLAND, EAST.	3	1	5 less	144	+ 17	18.2	0.0	13	- 14	15	- 17	1242	- 28	36	0
	4. MIDLAND COUNTIES.	1	2	5 less	139	+ 14	17.6	- 2.6	3	- 24	4	- 27	1140	+ 15	32	0
5. ENGLAND, SOUTH	3	5	2 less	140	+ 19	20.8	+ 1.9	13	- 23	15	- 27	1329	- 9	26	- 1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	1	9 less	155	+ 6	34.6	+ 0.4	17	- 9	20	- 10	1181	+ 49	33	+ 1
	7. ENGLAND, N.W.	1	2	7 less	153	+ 17	24.7	+ 1.0	9	- 15	11	- 17	1066	+ 36	33	+ 1
	8. ENGLAND, S.W.	3	8	2 less	156	+ 17	28.0	+ 0.6	19	- 14	22	- 18	1365	- 8	38	0
	9. IRELAND, NORTH	0	—	8 less	172	+ 11	27.3	+ 2.2	12	- 10	14	- 12	1042	+ 26	30	+ 1
	10. IRELAND, SOUTH	2	3	5 less	158	+ 11	29.5	+ 2.2	15	- 13	17	- 15	1110	- 94	32	- 2
-CHANNEL ISLANDS	3	5	3 less	160	+ 13	25.8	+ 4.0	35	+ 11	41	+ 12	1485	- 88	43	- 3	

Bright Sunshine.—For several of the stations there are no "mean" values available; and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued dry over the United Kingdom as a whole, but some rain was experienced over the more southern and south-western districts, mostly towards the end of the week. The sky was, however, extremely cloudy generally, the only exceptions being over the Channel Islands and some of the northern Scotch stations. Some thunder and lightning occurred in the south-west during the night of Thursday.

Temperature either just equalled the normal or was 1° above it. The highest of the maxima were registered on the 18th or 19th, when they ranged from 72° in England E., 71° in England S.W., and 70° in Ireland N., to 63° in England N.E. The lowest of the minima were recorded on somewhat irregular dates, and varied from 34° in Scotland E. and 36° in Scotland N. and Ireland N., to 43° in the Midland Counties and England N.W., and to 49° in the Channel Islands.

Rainfall was again less than the mean in all districts, especially in the northern parts of the Kingdom, where the fall was extremely slight.

Bright Sunshine exceeded the mean in the Channel Islands, but was very deficient elsewhere. The percentage of the possible duration ranged from 4 to 22 over England, from 14 to 17 in Ireland, and from 16 to 26 in Scotland, while in the Channel Islands the percentage was as high as 41. The lowest percentage of the possible duration recorded at any individual station was that at Oxford, where it was only 1 per cent.; in London and at several stations in the Midland Counties there was only 3 per cent., at Edinburgh 5 per cent., and at Dublin 8 per cent.

Barometer and Wind.—During the earlier part of the period the distribution of pressure over our Islands continued anticyclonic, with Easterly airs in the south, and variable or Westerly winds in the north. The anticyclone, however, moved gradually away to the north-eastward, and, by Wednesday, a low pressure system extended from the south-westward to the south-east of England. As the week progressed other depressions appeared over our south and south-west coasts from the south-westward, and the unsettled conditions and North-Easterly winds were spreading further northwards.

II.—DATA from which the SUMMARY on page 223 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
											Inches.	Inches.				
SCOTLAND, N.	Sumburgh Head	59	47	54.9	48.4	51.5	+ 1.7	67	0	2	0.02	- 0.78	*	*	*	*
	Stornoway	62	39	57.1	46.3	51.4	+ 1.1	66	0	0	—	- 0.99	14.0	- 10.5	16	- 12
	Wick	62	46	58.0	50.0	53.8	+ 3.0	83	0	1	0.02	- 0.58	*	*	*	*
	Lairg												*	*	*	*
	Glencarron	65	39	59.4	43.9	51.3	+ 1.6	65	0	0	—	- 1.63	*	*	*	*
	Fort Augustus	68	36	59.3	43.3	50.9	- 0.5	62	0	0	—	- 0.91	22.7	?	26	?
	Fort William	64	40	60.0	44.6	51.9	- 0.2	69	0	0	—	- 1.60	30.3	?	35	?
1. SCOTLAND, E.	Nairn	61	35	57.3	42.0	49.3	- 2.5	51	0	1	0.01	- 0.59	*	*	*	*
	Aberdeen	59	39	56.9	47.6	52.0	0.0	70	0	3	0.07	- 0.63	18.2	- 7.5	21	- 10
	Braemar	65	34	56.7	41.9	48.9	+ 0.4	49	0	2	0.04	- 0.78	24.2†	?	28†	?
	Ochtertyre	68	39	60.4	45.6	52.6	+ 0.8	74	0	0	—	- 0.85	*	*	*	*
	Leith	66	42	58.7	48.0	53.1	- 0.6	78	0	2	0.04	- 0.48	*	*	*	*
	Marchmont	63	44	56.7	49.7	53.0	+ 1.7	77	0	3	0.17	- 0.61	8.5	?	10	?
2. ENGLAND, N.E.	Alnwick Castle	59	40	55.0	48.7	51.7	0.0	68	0	2	0.04	- 0.63	*	*	*	*
	Durham	63	38	57.0	46.8	51.7	- 1.0	68	0	3	0.10	- 0.48	11.3	- 12.2	13	- 15
	Shields	62	45	56.7	49.3	52.8	- 0.5	76	0	2	0.06	- 0.56	*	*	*	*
	Scarborough	59	46	58.3	50.3	54.1	+ 0.1	85	0	1	0.01	- 0.62	*	*	*	*
	York	60	46	58.4	49.4	53.7	- 0.4	82	0	2	0.02	- 0.60	3.2	- 19.9	4	- 23
	Spurn Head	60	49	58.9	52.9	55.8	+ 0.4	97	0	0	—	- 0.49	*	*	*	*
3. ENGLAND, E.	Hillington	60	43	60.6	48.8	54.4	- 0.2	87	0	2	0.07	- 0.56	16.2	- 11.1	19	- 13
	Yarmouth	63	45	60.0	53.1	56.4	+ 0.7	101	0	2	0.10	- 0.60	*	*	*	*
	Geldeston	72	39	61.3	47.9	54.3	- 1.2	86	0	4	0.16	- 0.44	19.8	- 13.6	23	- 15
	Cambridge	67	44	61.7	49.7	55.4	- 0.2	94	0	3	0.04	- 0.48	10.6	- 19.3	12	- 23
	Rothamsted	65	47	59.5	50.4	54.7	+ 0.4	89	0	4	0.18	- 0.47	5.1	?	6	?
	Bawtry (Hesley Hall)	62	43	58.7	48.9	53.6	- 0.6	81	0	0	—	- 0.60	*	*	*	*
4. MIDLAND COUNTIES.	Loughborough	65	45	61.1	50.1	55.3	+ 0.3	93	0	0	—	- 0.65	*	*	*	*
	Stamford (Ketton Hall)	66	44	61.7	50.1	55.6	+ 0.9	96	0	3	0.07	- 0.53	*	*	*	*
	Cheville	61	44	57.8	48.4	52.9	+ 0.3	76	0	1	0.03	- 0.74	*	*	*	*
	Churchstoke	63	43	58.1	48.9	53.3	+ 0.7	79	0	1	0.01	- 0.64	8.0	- 19.8	9	- 21
	Hereford	64	45	58.5	49.8	53.9	- 0.7	83	0	2	0.11	- 0.24	*	*	*	*
	Cirencester	61	45	55.3	49.7	53.8	+ 0.1	83	0	2	0.17	- 0.29	2.5	- 24.2	3	- 28
	Oxford	68	48	58.6	50.6	54.4	- 1.0	87	0	1	0.18	- 0.47	1.1	- 23.4	1	- 34
5. ENGLAND, S.	London	66	50	61.4	52.7	56.8	+ 0.2	104	0	8	0.32	- 0.26	29.†	- 21.8†	3†	- 26
	North Foreland	64	54	61.3	55.6	58.3	+ 1.8	114	0	3	0.30	?	*	*	*	*
	Strathfield Turgiss	62	47	59.6	51.2	55.2	+ 0.1	92	0	3	0.42	- 0.20	*	*	*	*
	Dungeness	68	50	63.1	54.1	58.4	+ 1.4	115	0	4	0.55	- 0.10	*	*	*	*
	Hastings (St. Leonards)	69	52	62.1	53.3	57.5	- 0.1	109	0	4	0.45	- 0.23	13.7	- 22.1	16	- 25
	Southampton	67	49	62.0	52.1	56.8	+ 0.1	104	0	3	0.33	- 0.42	7.0	- 26.3	8	- 30
	Hurst Castle	68	51	62.9	53.4	57.9	+ 0.8	111	0	3	0.49	- 0.21	*	*	*	*
	Stowell	63	40	59.5	49.9	54.5	+ 0.1	88	0	4	0.89	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)												*	*	*	*
	Glasgow	64	44	55.6	48.0	53.1	+ 1.2	78	0	0	—	- 0.92	16.7	- 4.8	19	- 6
	Ardrossan	66	45	60.0	49.0	54.2	+ 0.6	85	0	0	—	- 0.88	*	*	*	*
	Glenlee	65	37	59.5	43.1	50.9	- 0.7	62	0	0	—	- 1.24	*	*	*	*
	Douglas (Isle of Man)	63	41	58.8	48.3	53.3	0.0	79	0	1	0.32	- 0.58	17.2	- 13.1	20	- 15
7. ENGLAND, N.W.	Stonyhurst	59	45	56.5	48.8	52.5	- 0.3	74	0	1	0.40	- 0.78	10.2	- 16.6	12	- 19
	Blackpool	65	44	60.3	48.0	53.9	+ 0.2	83	0	1	0.14	- 0.75	6.8	- 19.7	8	- 23
	Manchester (Prestwich)	61	43	57.5	48.0	52.5	- 1.1	74	0	2	0.40	- 0.51	5.9	?	7	?
	Liverpool Obs. (Bidston)	62	49	59.4	51.4	55.3	+ 0.4	93	0	2	0.04	- 0.72	*	*	*	*
	Idandudno	63	48	60.3	50.8	55.3	- 0.5	93	0	1	0.02	- 0.72	17.0	- 6.8	20	- 8
	Holyhead	64	48	60.3	50.7	55.3	- 0.5	93	0	1	0.02	- 0.76	*	*	*	*
8. ENGLAND, S.W.	Llandovery	71	32	62.4	48.4	55.1	+ 0.5	92	0	2	0.09	- 1.04	*	*	*	*
	Pembroke	61	48	59.1	53.0	55.9	+ 0.2	97	0	1	0.37	- 0.51	17.3	- 14.3	20	- 17
	Bristol (Montpelier)	65	46	61.0	51.0	55.8	+ 0.8	97	0	2	0.31	- 0.52	*	*	*	*
	Arlington (N. Devon)	65	43	61.1	49.4	55.0	+ 0.6	91	0	4	0.63	- 0.49	*	*	*	*
	Cullompton	66	41	63.2	50.8	56.7	+ 2.1	103	0	3	0.85	- 0.02	15.3	- 14.2	13	- 17
	Falmouth	68	50	61.4	54.1	57.6	+ 1.1	109	0	4	1.34	+ 0.15	17.1	- 14.6	20	- 18
	Plymouth	64	44	62.3	52.6	57.2	+ 0.6	106	0	3	1.71	+ 0.31	16.5	- 16.3	19	- 20
	Prawle Point	62	50	60.6	53.0	56.6	+ 0.3	102	0	5	1.04	+ 0.42	*	*	*	*
9. IRELAND, N.	Malin Head	63	50	57.1	52.1	54.5	+ 1.8	88	0	0	—	?	*	*	*	*
	Londonderry	70	44	62.4	48.4	55.1	+ 2.0	92	0	0	—	- 0.90	*	*	*	*
	Edenfel (Omagh)	64	44	59.7	46.9	53.0	+ 0.8	77	0	0	—	- 0.85	*	*	*	*
	Belmullet	65	48	63.0	50.6	56.5	+ 0.6	102	0	0	—	?	*	*	*	*
	Markree Castle	64	36	60.8	44.4	52.2	- 0.2	71	0	1	0.01	- 0.74	14.6	- 6.5	17	- 8
	Brookeborough	63	44	58.7	48.1	53.2	+ 1.7	78	0	0	—	- 0.90	*	*	*	*
	Armagh	61	40	58.3	45.2	51.4	- 1.2	66	0	1	0.01	- 0.64	10.2	- 13.1	12	- 16
	Donaghadee	61	42	58.1	49.1	53.4	- 0.2	80	0	0	—	- 0.70	*	*	*	*
	Edgeworthstown	61	40	58.7	46.5	52.3	- 0.1	72	0	0	—	- 0.74	*	*	*	*
10. IRELAND, S.	Dublin	61	50	60.1	52.7	56.2	+ 1.6	99	0	2	0.07	- 0.48	6.7	- 22.3	8	- 26
	Parsonstown	63	38	62.4	44.6	53.1	- 0.1	78	0	1	0.09	- 0.66	14.4	- 12.1	17	- 13
	Kilkenny	64	42	59.9	46.7	58.0	- 1.5	91	0	2	0.20	- 0.48	*	*	*	*
	Roche's Point	64	50	61.1	53.1	56.9	+ 1.3	104	0	3	1.05	+ 0.13	*	*	*	*
	Valencia	65	43	63.0	51.3	56.9	+ 1.1	104	0	3	0.21	- 0.84	23.4	- 3.6	2	- 5
	Killarney	64	48	61.5	51.1	56.1	+ 1.5	99	0	2	0.22	?	*	*	*	*
	Foynes	63	47	60.6	49.9	55.0	+ 0.9	91	0	1	0.07	?	*	*	*	*
CHANNEL ISLANDS.	Scilly (St. Mary's)	65	55	62.4	56.1	59.1	+ 1.5	120	0	3	0.43	- 0.40	27.6	?	32	?
	Jersey	69	49	66.7	55.0	60.6	+ 1.3	130	0	3	0.64	- 0.09	48.5	+ 10.3	57	+ 12

Stations marked $\mathcal{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

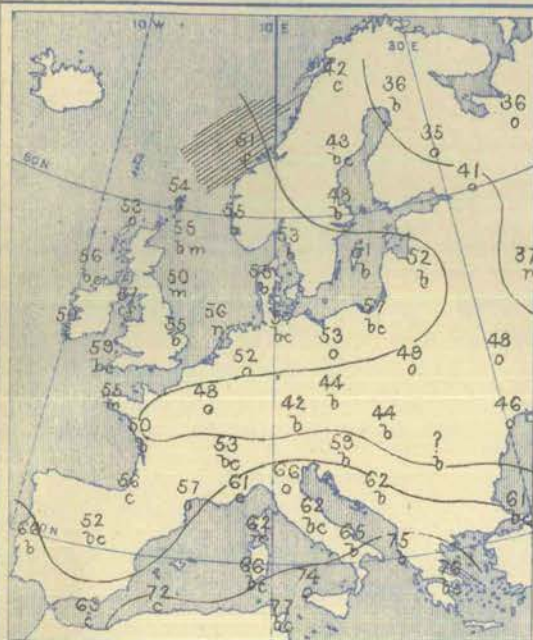
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Records are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 16th September.

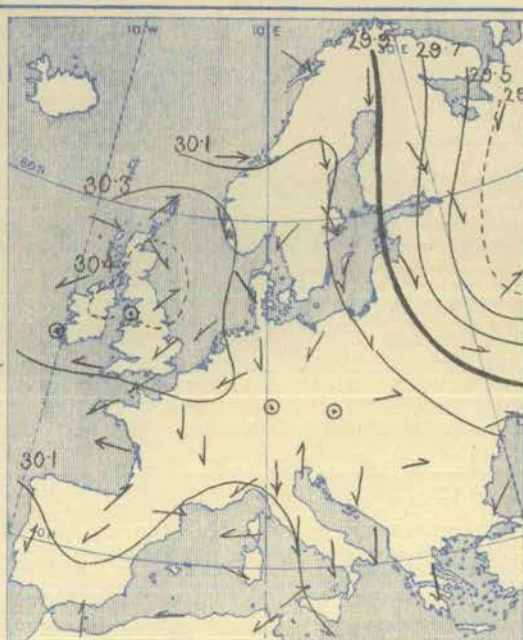
Temperature and Weather.

8 a.m.

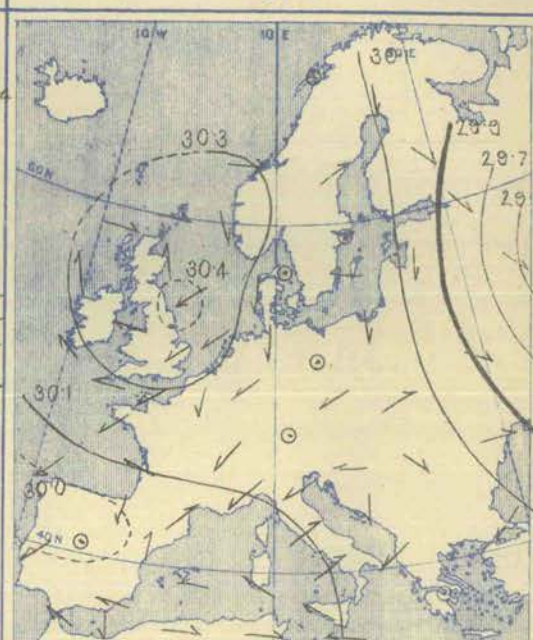


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over western Europe generally, clear and bright at many of the Continental stations, but dull and foggy in many parts of our Islands. Dull over northern and central Russia also. Some rain later in Norway and at the Baltic stations, as well as at a few stations in the east of England; heavy falls in the south of France and central parts of Italy.

Temperature not changing much. Morning readings highest, 70° and more over the southern parts of the Mediterranean only, 60° and more in the south of France and north of Italy, and exceeding 50° over the greater part of the British Isles and their neighbourhood. Lowest, 35° to 39° over the northern and central parts of Russia, 42° at Bodø, 40° at Warsaw and also at Nairn. Rising later to between 60° and 66° over the greater part of the United Kingdom, and touching 68° at Paris, 78° to 80° in some parts of Italy, 88° at Palermo, and 90° at some of the Algerian stations.

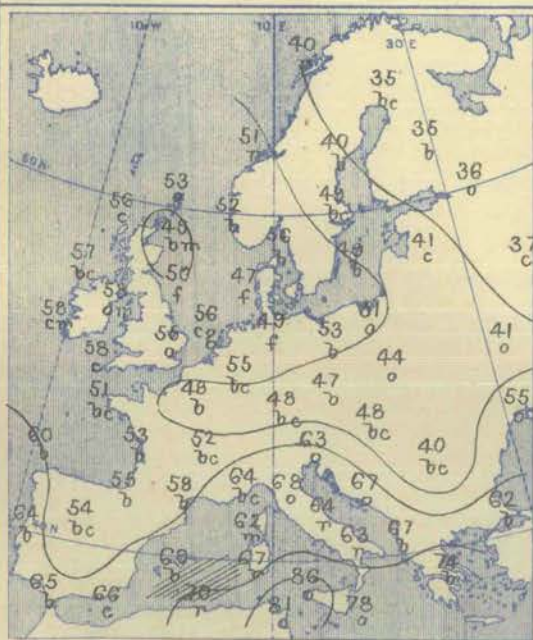
Wind light to moderate and anticyclonic over the British Islands and neighbouring parts of north-western Europe; Northerly, strong to moderate, over Finland, the Gulf of Bothnia, and the Baltic. North-Westerly, light, over Denmark and north Germany, Easterly to Northerly and light over the Mediterranean. No decided change later.

Barometer highest, (1) 30.4 ins. and upwards over Scotland, the north of England, and Irish Sea, and exceeding 30.2 ins. in an anticyclone covering the whole of north-western Europe; (2) 30.2 ins. and more over part of south-eastern Europe also. Lowest, 29.4 ins. and less in a depression over the north-eastern and central parts of Russia, and below 30.0 ins. over the Mediterranean. Falling a little over our Islands and western Europe later, rising over northern Europe and central Russia.

Monday, 17th September.

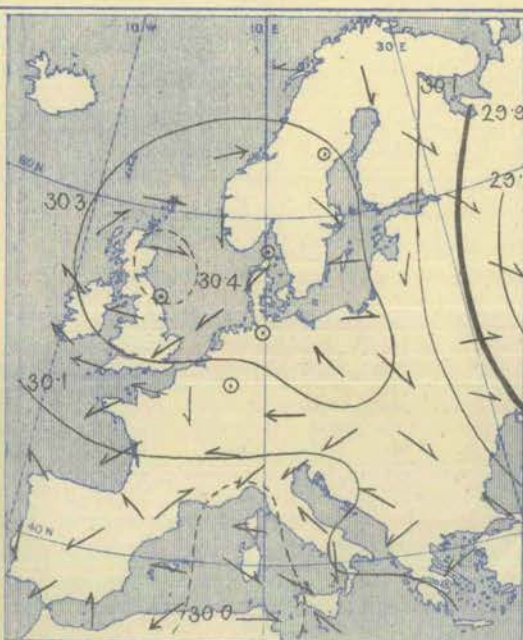
Temperature and Weather.

8 a.m.

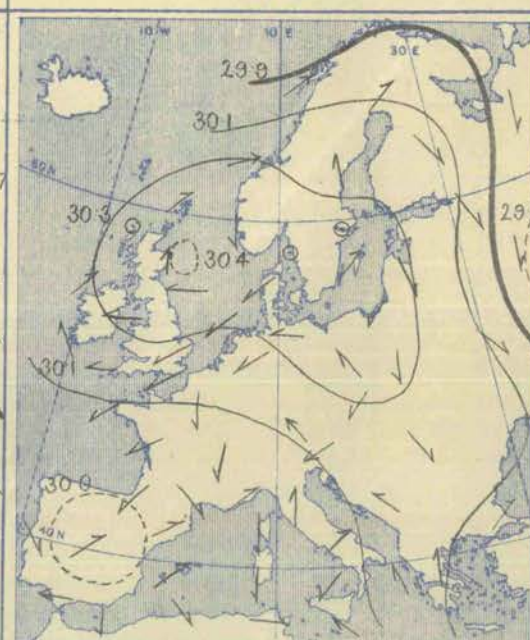


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over most parts of the country, but dull and rainy over central Russia and the northern half of Norway, gloomy and hazy over Great Britain (foggy in Scotland), fair in Ireland. Very heavy rain at Bodø later, and very slight showers of misty drizzle at several of our southern stations. Bright sunshine very deficient over England.

Temperature in morning as high as 86° at Palermo, 81° at Tunis, and ranging between 78° and 64° at the other Mediterranean stations; below 60° over nearly the whole of Europe. Lowest, (1) 34° at Helsingfors, 35° at Kuopio and Haparanda, 37° at Moscow, 38° at Kharkov, 40° at Bodø and Hernösand; (2) 45° at Aberdeen, 46° at Nairn, 51° at Leith and Parsonstown. Rising later to a little above 60° in many parts of Great Britain, to 69° at Paris, and to 81° at Rochefort.

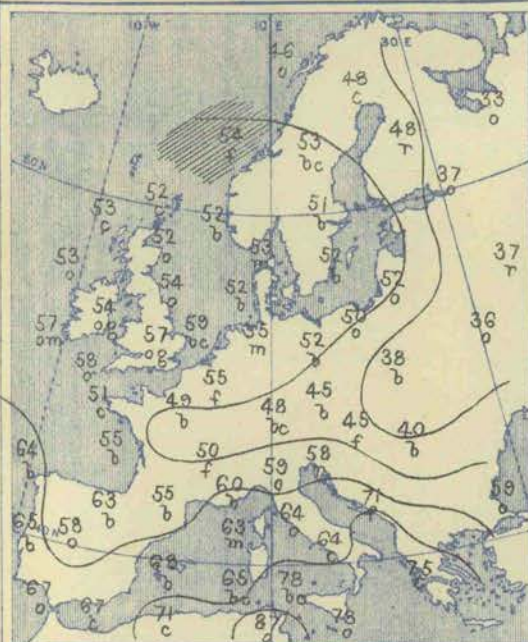
Wind light and anticyclonic over the greater part of the British Islands and north-western Europe; light and Northerly over Russia, Easterly and North-Easterly, moderate, over the southern half of the British Islands and the Bay of Biscay. North-Easterly in the south of France and north of Italy, Westerly at Palermo and Tunis. No change later.

Barometer highest, 30.4 ins. and more over the north-eastern parts of the United Kingdom, and exceeding 30.2 ins. over all the north-western and some parts of the central countries. Lowest, 29.7 ins. and less in a large depression over central Russia; and below 29.9 ins. over the south-east of Sardinia. Falling a little in most places later.

Tuesday, 18th September.

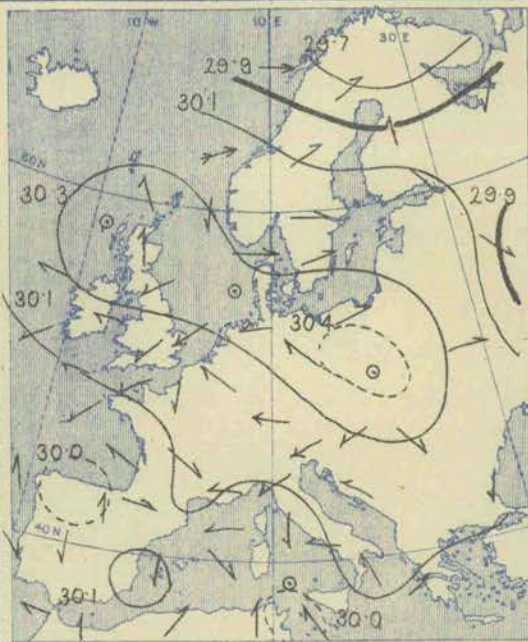
Temperature and Weather.

8 a.m.

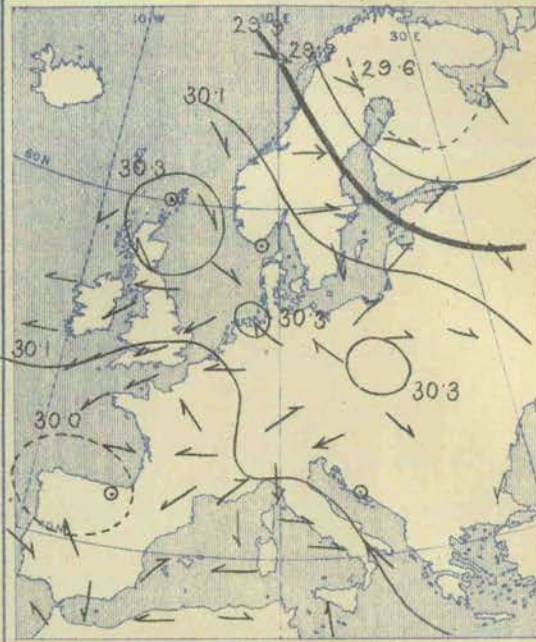


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the southern half of Europe and in Sweden, gloomy and foggy, but in other respects fair, over the British Islands, overcast over northern Europe, rainy over Russia. Clearing up over the southern parts of England later, but fog or haze again appearing. Thunder and lightning occurring at Jersey in evening.

Temperature in morning showing some decrease over central Europe, but a slight increase over the United Kingdom. Highest, 70° and more over the southern shores of the Mediterranean, and exceeding 60° on the Portuguese coasts and the south coasts of France. Above 50° at most of the stations in western Europe generally, much lower elsewhere. Lowest, 33° at Archangel, 36° at Kiev, 37° at St. Petersburg and Moscow, 38° at Warsaw, 45° at Vienna. Rising to between 65° and 68° over the south of England later, and touching 81° at Rochefort, and 86° at Biarritz.

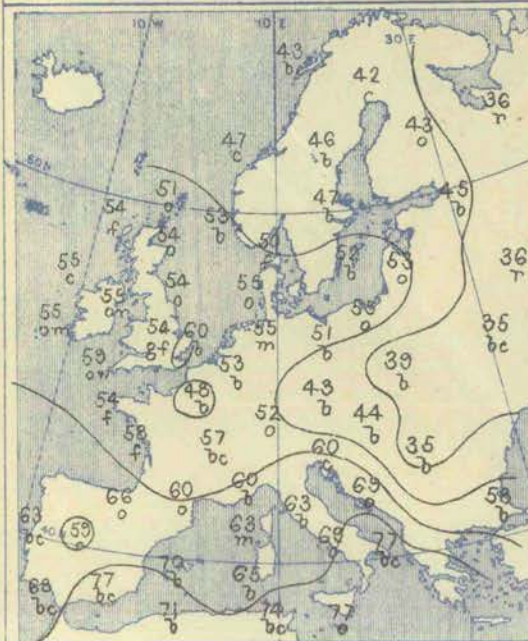
Wind mainly anticyclonic—Easterly over the southern and western countries and of little and decreasing strength, Westerly and South-Westerly in the north, and strong to a gale in the north-west of Norway, nearly calm over Germany, the North Sea, and Scotland. The Easterly wind becoming very light later, but the strong Westerly wind in the north spreading eastwards towards Sweden and Finland.

Barometer highest, 30.4 ins. to 30.2 ins. in a large and complex anticyclone spreading from central Europe across the North Sea to the northern half of our Islands and adjacent parts of the Atlantic. Lowest, (1) 29.7 ins. and less over Lapland; (2) below 30.0 ins. in small depressions (a) near Biarritz and (b) near Malta. Falling generally over western and north-western Europe later.

Wednesday, 19th September.

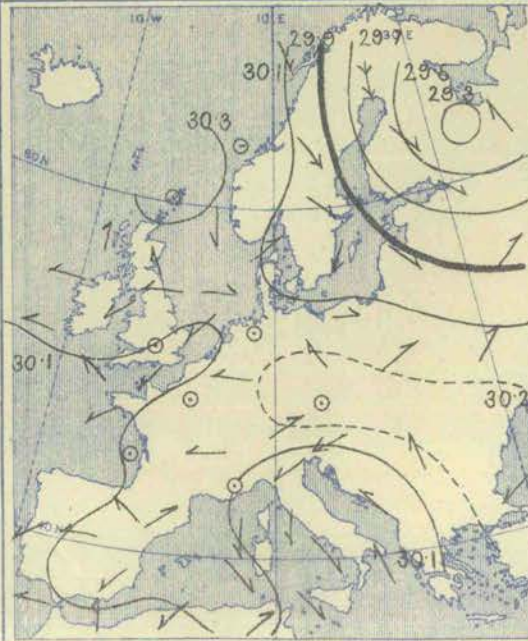
Temperature and Weather.

8 a.m.

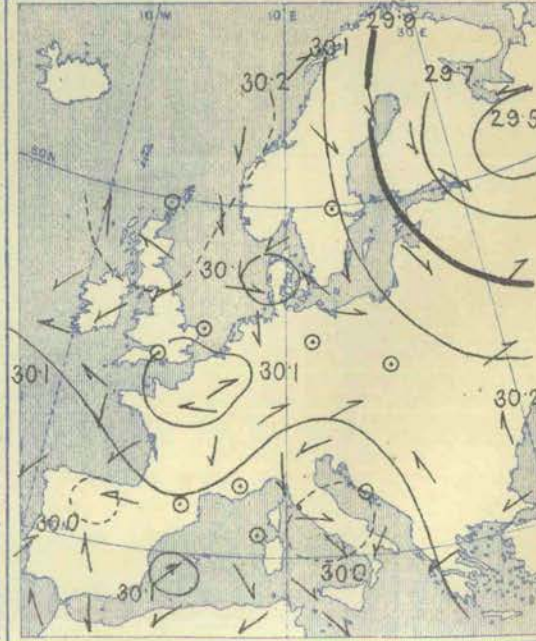


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fine over the greater part of Europe, but dull, misty, and gloomy over the British Islands, dull and rainy over the north of Russia and at Moscow, fog reported locally in France and south Germany. Improving over northern Europe later, no change elsewhere.

Temperature in morning highest, 70° and more at many of the Mediterranean stations, 60° and more on many parts of the French coasts, much lower elsewhere. Lowest, 55° at Kiev and Hermannstadt, 36° at Moscow and Archangel, 39° at Cracow, 42° at Haparanda, 47° at Stockholm, 49° at Parsonstown. Rising later to between 60° and 68° over England, and to 90° at Biarritz.

Wind (1) strong from the Northward over Finland and the Baltic, but light from South-West at Moscow, moderate from South-South-East at Archangel, (2) exceedingly light and variable over central and western Europe. Easterly (North-East to South-East) and very light over the British Islands, calm at several stations; (3) slight cyclonic circulations over Italy, Sicily, and Malta. No decided change later.

Barometer highest, 30.3 ins. and more in the Shetlands, and exceeding 30.2 ins. (1) over Scotland and the west of Norway, (2) over south-eastern Europe and Austria-Hungary. Lowest, (1) below 29.4 ins. over the White Sea and north of Russia, and below 30.0 ins. at Malta; apparently low over the Atlantic to the westward of the Portuguese coast. Rising over northern Europe later, no decided change elsewhere.

Thursday, 20th September.

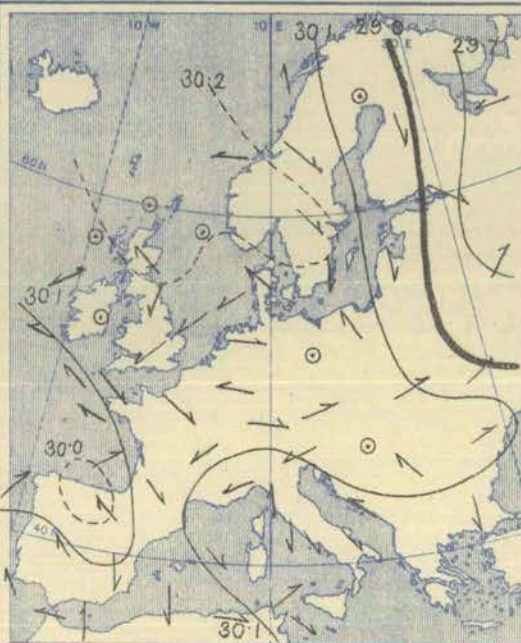
Temperature and Weather.

8 a.m.

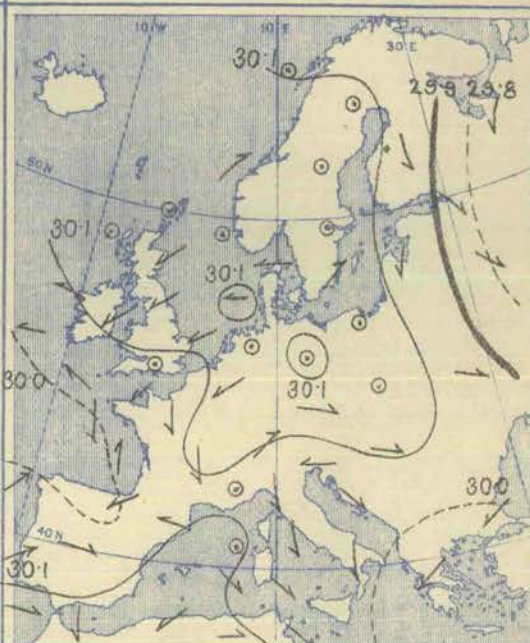


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine generally over the southern half of Europe, as well as over parts of north Germany and Sweden; dull over Russia, very dull, gloomy, and misty over the British Islands, with slight showers on our north-east coasts. Thunderstorms and rain setting in at our south-western stations later, and very slight sprinkling of rain occurring in several other places. Very gloomy in London all day.

Temperature risen a little over central Europe, fallen in the north. Morning readings still exceeding 70° on the southern and western shores of the Mediterranean, and exceeding 60° at a few stations in the south and south-east of the British Islands. Lowest, 37° at Kuopio, 38° at Archangel, Haparanda, and St. Petersburg, 39° at Moscow, 43° at Christiansund, 52° at York. Rising later to between 60° and 65° in many parts of our Islands, to 70° at Berlin, and to 82° at Rochefort and Perpignan.

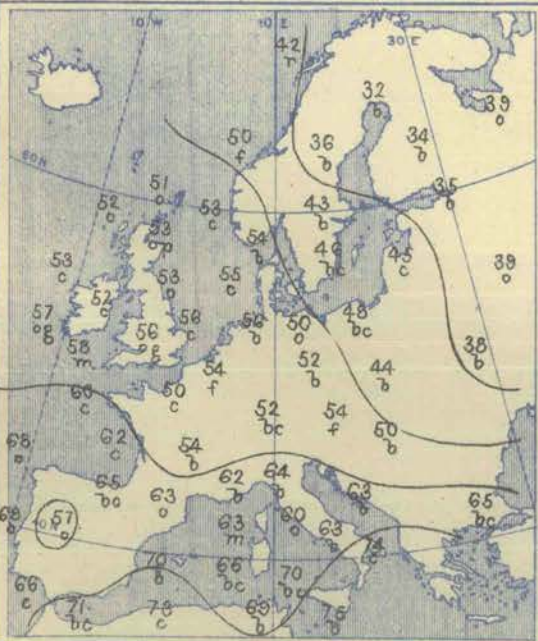
Wind moderate from the Northward over Finland and the Baltic, and also over Italy. Easterly over the greater part of western Europe, and calm over our Islands, extremely light and variable over France, Germany, and south-eastern Europe. Easterly wind freshening a little over the United Kingdom later; no other change of importance.

Barometer highest, 30.2 ins. and more over Scotland and the west of Norway and also at Munich; exceeding 30.1 ins. over the whole of central and southern Europe. Lowest, (1) below 29.7 ins. over the northern half of Russia; (2) below 30.0 ins. in a shallow depression near Biarritz. Falling irregularly in our Islands later, and distribution becoming complex over western Europe.

Friday, 21st September.

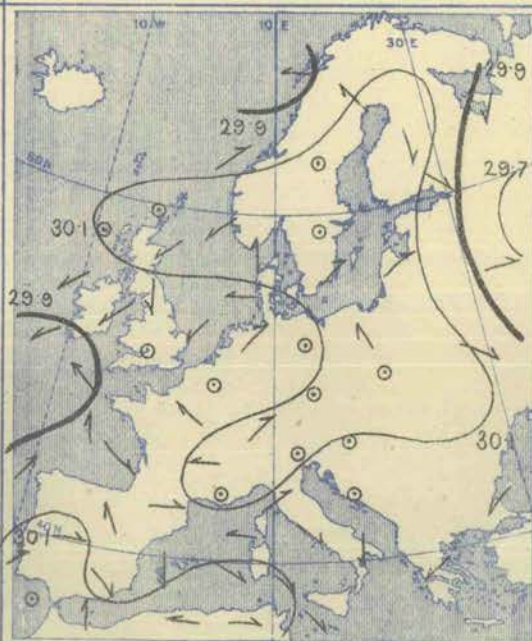
Temperature and Weather.

8 a.m.

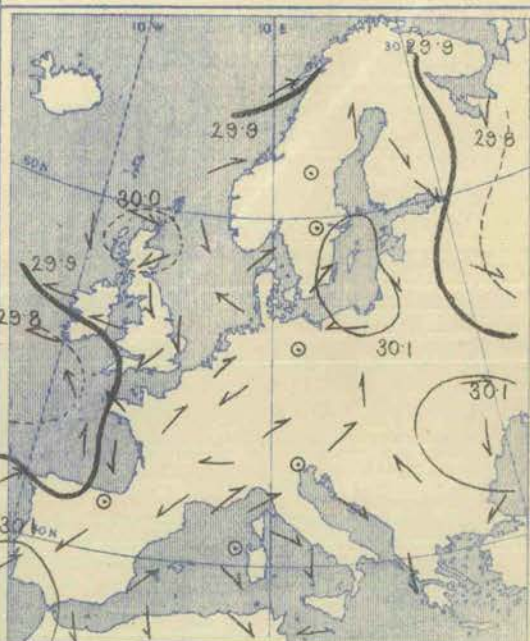


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over southern, south-eastern, and central Europe, as well as over the Baltic, Sweden, and Finland, and at some of our own eastern stations, dull and unsettled elsewhere, with rain at several of the northern and western stations. Becoming still more unsettled in the west later, with much rain in places (0.6 in. at Prawle Point and Roche's Point) and very rainy in the north-west of Norway. Thunderstorms occurring in the south and south-west of France; lightning at Jersey.

Temperature falling in the north. Morning readings highest, 75° at Malta, and exceeding 70° in the extreme south and west of the Mediterranean only, exceeding 60° on the Portuguese coast and the west coast of France, lower inland. Lowest, (1) 32° at Uleaborg, 35° at St. Petersburg, 38° at Kiev, 39° at Moscow and Archangel; 50° at Nairn and Paris, 51° at Loughborough. Rising later to somewhat above 60° in several parts of our Islands, and touching 70° at Munich, 78° at Paris, and 84° at Biarritz.

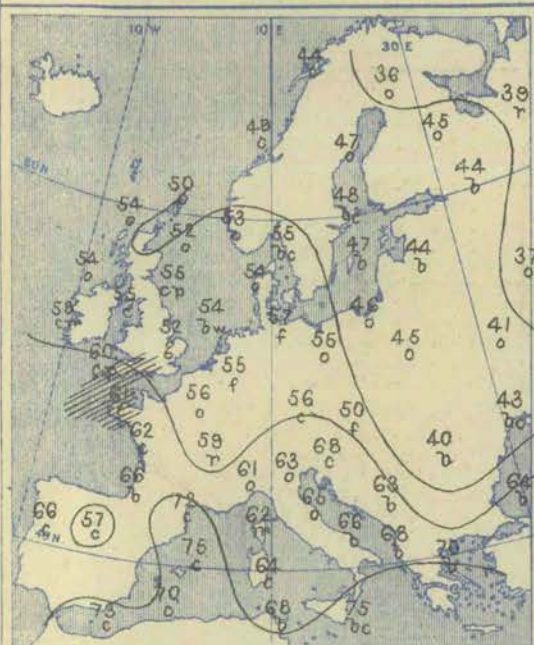
Wind light and extremely variable over the greater part of the Continent, but South-Westerly over the Bay of Biscay; South-Easterly over our western coasts; North-Easterly to Northerly over England, Southerly and South-Easterly on the coast of north Germany; South-Westerly at Christiansund, Easterly at Bodø. Freshening from South-East on our western coasts later, and becoming Westerly in the Shetlands and north-west of Norway.

Barometer highest, 30.2 ins. at Wisby, and exceeding 30.1 ins. over central and southern Europe, and in a ridge extending westwards over the southern half of Scandinavia to Scotland. Lowest, (1) about 29.7 ins. over the central and eastern parts of Russia; (2) below 29.9 ins. over the south-west of Ireland and neighbouring parts of the Atlantic, and below 30.0 ins. in a small depression over Holland. Falling throughout our Islands later, as a depression approached our south-western coasts from the westward.

Saturday, 22nd September.

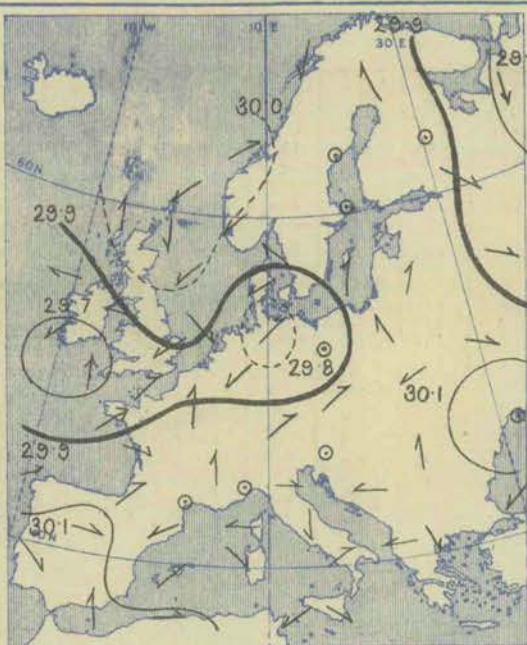
Temperature and Weather.

8 a.m.

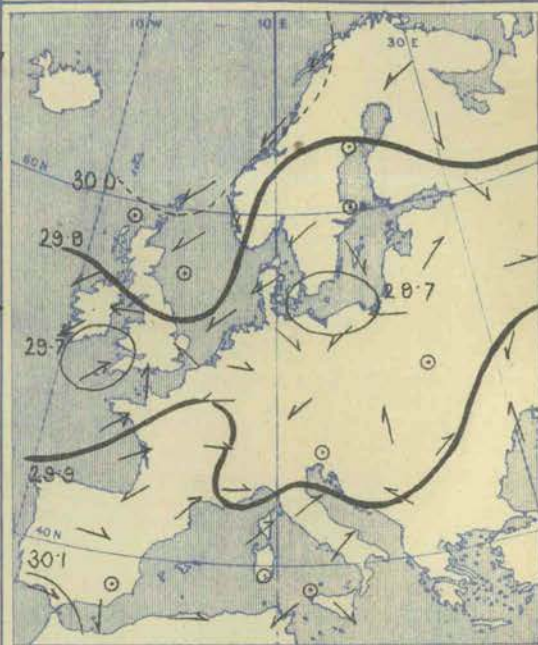


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over south-eastern Europe and at the Mediterranean stations, and fair over the Iberian Peninsula; very dull and unsettled over northern Europe, with rain in places; dull, damp, and misty (or foggy) at the British and Irish stations, rainy over the south of England. Rain later in considerable quantity over our southern districts, and over many of the western and northern parts of the Continent, thunder and lightning in several places.

Temperature changing very fitfully. Morning readings highest, 75° to 70° on the southern and western sides of the Mediterranean, and exceeding 60° in the south and west of France. Below 60° over the United Kingdom, and, lowest of all, (1) 36° to 39° over northern and central Russia; (2) 48° at Wick and Nairn, 50° at Oxford. Rising later to between 60° and 64° in many parts of England, and to 80° and more in the south-west of France, as well as at Palermo and in several parts of Algeria.

Wind (1) Northerly to North-Westerly over Russia; (2) Easterly to Northerly over the North Sea and British Islands (blowing strongly in places), South-Westerly over the west of France, Southerly at Scilly; (3) very light and variable over the Mediterranean, southern and central Europe. Veering to South-West at Scilly later, and beginning to moderate over our Islands generally; a partial cyclonic circulation of moderate winds setting in over the Riviera.

Barometer highest, 30.1 ins. and more over the south of Russia and the southern half of Spain, and exceeding 30.0 ins. over Poland, the Baltic Provinces, and parts of Finland, as well as over Scotland and the west of Norway. Lowest, 29.6 ins. and less in a depression off the south of Ireland; 29.7 ins. and less over the north-east of Russia, and below 29.8 ins. at the mouth of the Elbe. The south-western depression moving slightly to the north-eastward later, that near the mouth of the Elbe moving eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the earlier part of the week a large anticyclone prevailed over all but the south-western and extreme northern parts of Europe, the central portion of the system being located at first over the United Kingdom, and afterwards over the North Sea, Scandinavia, or Denmark. The weather was, therefore, mostly fair and dry, but in our Islands the sky was singularly cloudy, with occasional slight falls of rain in the south and south-east of England. Over northern Russia, where the conditions were affected by a depression which advanced from the northward, the weather was far less settled, heavy falls of rain being reported in many places.

After the middle of the week a shallow and somewhat complex area of low pressure appeared over the Bay of Biscay, and spread gradually northwards towards our south and south-west coasts. Freshening Easterly winds consequently set in over those regions, with unsettled rainy weather, and with thunderstorms in some places. Over the northern part of the United Kingdom the conditions remained fair and dry, but with a continuance of heavy clouds.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 224.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	4.7	?	5	?	EASTBOURNE	14.6	?	17	?
OSWALDKIRK (Yorkshire)	5.9	?	7	?	MANCHESTER (Oldham Road)	6.0*	?	7*	?
WORKSOP	9.2	-22.4	3	-25	TENBY	20.0*	?	23*	?
THURCASTON (Leicestershire)	3.0	-22.9	3	-25	NEWQUAY	28.1	?	33	?
MARGATE	18.0	?	21	?	TORQUAY	18.0*	?	21*	?
WESTBOURNE (Sussex)	15.7*	?	18*	?	ARLEY COTTAGE (County Cavan)	11.9	?	14	?
BRIGHTON	20.2	?	24	?	GUERNSEY	28.4*	?	33*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Vol. XI. No. 39.]
Third Series.

WEEK ENDING SATURDAY, SEPTEMBER 29TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 233.)		Temperature of the Air.													
		Observed during the Week.					Accumulated.								
		Highest.	Lowest.	Averages of			Above or below the Mean for the Week.	For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	30	35	54.9	41.2	47.7	2 below	Day-deg. 43	Day-deg. -11	Day-deg. 2	Day-deg. 0	Day-deg. 1908	Day-deg. +301	Day-deg. 497	Day-deg. -53
	1. SCOTLAND, EAST	64	32	55.9	41.8	48.5	2 below	46	-17	1	-2	2000	-67	582	+3
	2. ENGLAND, N.E.	66	37	56.7	46.0	51.1	1 below	64	-7	0	-2	2206	+22	455	-56
	3. ENGLAND, EAST	64	34	58.3	46.2	52.0	2 below	70	-16	0	-1	2575	+24	471	-101
	4. MIDLAND COUNTIES	65	30	58.0	43.7	50.5	2 below	60	-22	0	-3	2534	+27	483	-84
5. ENGLAND, SOUTH	68	33	59.9	48.6	54.0	1 below	84	-11	0	-1	2822	+74	303	-120	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	62	29	57.1	41.8	49.1	2 below	51	-18	1	0	2145*	+23	346	-69
	7. ENGLAND, N.W.	62	30	57.4	45.7	51.3	2 below	65	-7	0	-1	2450	+155	302	-121
	8. ENGLAND, S.W.	66	31	59.3	48.9	53.8	0 (average)	83	-1	0	0	2622	+85	236	-81
	9. IRELAND, NORTH	65	26	58.4	41.6	49.6	2 below	55	-16	1	0	2275	+14	335	-33
	10. IRELAND, SOUTH	64	33	59.1	45.3	51.9	1 below	69	-12	0	-1	2589	+55	217	-62
	—CHANNEL ISLANDS	67	47	62.0	55.4	58.6	1 above	116	+12	0	0	3082	+228	94	-18

DISTRICTS. (See p. 220.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of in. 1	10 less	168	-8	37.9	+3.8	28	-2	34	-2	1008	+139	33	+4
	1. SCOTLAND, EAST	4	2	5 less	153	+8	26.8	+3.8	23	+3	29	+3	1134	+52	34	+1
	2. ENGLAND, N.E.	4	2	4 less	154	+20	18.7	-0.4	33	+11	40	+13	1158	+109	33	+3
	3. ENGLAND, EAST	4	10	3 more	146*	+18	19.2	+0.4	26	-1	32	-1	1268	-30	36	0
	4. MIDLAND COUNTIES	4	7	1 more	143	+14	18.3	-2.6	23	-2	28	-2	1163	+14	32	0
5. ENGLAND, SOUTH	4	6	1 less	144	+19	21.4	+1.8	28	-3	35	-2	1357	-12	26	-1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	less than ½	11 less	157	+4	34.6	-0.7	27	+3	33	+4	1208	+52	33	+1
	7. ENGLAND, N.W.	2	1	8 less	155	+15	24.8	+0.2	32	+12	39	+13	1098	+47	33	+1
	8. ENGLAND, S.W.	3	7	3 less	159	+16	28.7	+0.4	25	-5	29	-6	1390	-12	38	0
	9. IRELAND, NORTH	2	1	7 less	174	+8	27.4	+1.5	36	+15	44	+17	1078	+41	30	+1
	10. IRELAND, SOUTH	1	less than ½	7 less	159	+8	29.5	+1.4	42	+16	51	+19	1152	-78	32	-2
—CHANNEL ISLANDS		3	6	3 less	163	+10	26.4	+3.8	30	-4	36	-5	1515	-92	43	-2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was rather unsettled during the earlier days of the period, with rain in many places. Over the southern parts of the Kingdom the rain was very general, and unusually heavy locally. During the latter part of the week the conditions were generally fair and dry, but slight showers were experienced along our eastern and south-eastern coasts.

Temperature continued a little above the mean in the Channel Islands, and just equalled it in England S.W., but in all other districts it was rather below the normal. The highest of the maxima, which were recorded either on the 23rd or 24th, ranged from 68° in England S. to 60° in Scotland N. The lowest of the minima were registered during the latter part of the period, and ranged from 26° in Ireland N., 29° in Scotland W., and 30° in the Midland Counties and England N.W., to 37° in England N.E., and to 47° in the Channel Islands.

Rainfall exceeded the mean in the Midland Counties and England E., but was less in all other districts, the deficit in most places being considerable. The rain experienced during the

first day or two over our southern counties was very irregularly distributed. The newspapers report that at High Wycombe on the 23rd 2.75 ins. fell in an hour and a half.

Bright Sunshine was in excess of the mean in most of the western and northern, but was rather deficient in the eastern and southern districts. The percentage of the possible duration ranged from 51 in Ireland S., and from 44 in Ireland N., to 29 in Scotland E., and 28 in the Midland Counties and England S.W.

Barometer and Wind.—During the earlier part of the period, when some shallow depressions were shown over our south-western and southern coasts, the wind over our Islands varied between North and East. After the 25th, however, these systems all disappeared, and, during the remainder of the week, an anticyclone spread over the Kingdom from the north-westward. The winds were light generally; from the Northward in the east, and from the Eastward in the south and west.

II.—DATA from which the SUMMARY on page 229 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	56	42	52.6	43.9	48.0	- 0.8	42	0	3	0.12	- 0.73	*	*	*
	Stornoway	57	37	53.9	42.1	47.7	- 1.5	40	0	3	0.13	- 0.88	22.1	- 1.4	27
	Wick	58	?	54.3	?	?	?	?	?	5	0.34	- 0.26	*	*	*
	Lairg												*	*	*
	Glencarron	60	35	50.5	38.8	47.2	- 1.5	50	9	2	0.05	- 1.66	*	*	*
	Fort Augustus	59	36	55.2	40.6	47.6	- 2.5	45	4	2	0.08	- 0.86	18.0	?	22
1. SCOTLAND, E.	Fort William	60	37	56.4	40.4	48.0	- 2.9	49	4	0	—	- 1.68	43.8	?	53
	Nairn	59	35	56.7	41.9	48.9	- 1.7	49	0	3	0.10	- 0.50	*	*	*
	Aberdeen	57	40	54.3	44.2	49.2	- 1.6	50	0	6	0.17	- 0.53	27.0	+ 2.9	33
	Braemar	57	32	51.7	38.0	44.5	- 2.7	34	11	3	0.06	- 0.78	21.8†	?	27†
	Ochtertyre	64	36	59.9	40.6	49.8	- 0.6	60	4	2	0.07	- 0.79	*	*	*
	Leith	61	39	58.3	43.3	50.4	- 2.1	59	0	3	0.23	- 0.27	*	*	*
2. ENGLAND, N.E.	Marchmont	59	40	54.4	42.6	48.2	- 1.4	43	0	5	0.78	+ 0.03	22.0	?	27
	Alnwick Castle	56	42	53.4	45.3	49.2	- 1.3	50	0	6	0.29	- 0.34	*	*	*
	Durham	61	38	56.3	43.2	49.4	- 1.8	52	0	5	0.14	- 0.45	26.5	+ 5.0	32
	Shields	59	41	55.9	47.0	51.2	- 0.6	64	0	5	0.15	- 0.48	*	*	*
	Scarborough	60	44	57.2	47.3	52.0	- 0.7	70	0	3	0.15	- 0.52	*	*	*
	York	66	37	60.1	43.6	51.5	- 1.1	67	0	2	0.06	- 0.54	33.3	+ 17.1	47
3. ENGLAND, E.	Spurn Head	60	45	57.1	49.7	53.2	- 0.9	78	0	3	0.27	- 0.24	*	*	*
	Hillington	64	37	58.9	44.5	51.5	- 1.4	67	0	5	0.39	- 0.21	29.0	+ 3.6	35
	Yarmouth	61	44	57.4	49.9	53.6	- 0.6	51	0	4	1.19	+ 0.49	27.3	- 3.7	33
	Gedeston	62	38	59.2	46.1	52.3	- 1.6	72	0	6	0.94	+ 0.34	25.3	- 3.5	31
	Cambridge	64	36	59.0	44.9	51.6	- 2.1	67	0	4	1.14	+ 0.53	22.5	?	27
	Rothamsted	61	34	56.9	45.7	61.0	- 1.6	63	0	3	1.12	+ 0.44	*	*	*
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	63	35	59.0	40.9	49.5	- 3.0	57	3	4	0.23	- 0.33	*	*	*
	Loughborough	64	30	58.9	42.3	50.2	- 3.0	57	0	4	0.54	- 0.11	*	*	*
	Stamford (Ketton Hall)	65	33	59.6	43.0	50.9	- 2.3	62	0	5	0.60	- 0.09	*	*	*
	Cheadle	61	38	56.8	44.7	50.5	- 0.6	60	0	2	0.71	- 0.04	24.0	- 1.8	29
	Churchstoke	59	30	50.4	43.3	49.5	- 1.7	53	0	3	0.40	- 0.28	*	*	*
	Hereford	61	33	57.6	45.1	51.1	- 1.7	64	0	2	1.13	+ 0.46	18.6	- 6.1	23
5. ENGLAND, S.	Cirencester	61	35	56.1	44.7	50.1	- 2.1	57	0	4	1.49	+ 0.72	21.1	- 6.9	26
	Oxford	63	36	59.3	45.6	52.1	- 1.5	71	0	4	0.83	+ 0.18	19.0†	- 3.9†	23†
	London	67	35	59.4	47.1	53.0	- 1.7	77	0	4	0.38	- 0.22	*	*	*
	North Foreland	62	47	58.6	53.0	55.7	- 0.1	96	0	5	0.42	?	*	*	*
	Strathfield Turgiss	65	33	59.4	45.2	52.0	- 1.5	70	0	3	0.67	+ 0.04	*	*	*
	Dungeness	65	37	60.0	48.7	54.1	- 1.6	85	0	4	0.69	+ 0.01	30.8	- 3.0	38
6. SCOTLAND, W.	Hastings (St. Leonards)	65	42	60.5	49.4	54.7	- 1.3	89	0	5	1.08	+ 0.36	28.3	- 2.7	35
	Southampton	68	38	62.9	48.4	55.3	+ 0.3	93	0	3	0.45	- 0.33	*	*	*
	Hurst Castle	66	42	61.1	50.6	55.6	- 0.1	95	0	2	0.47	- 0.25	*	*	*
	Stowell	63	35	57.5	46.6	51.8	- 0.9	69	0	4	0.94	?	*	*	*
	Laudale (Loch Sunart)	62	34	58.9	39.1	48.5	- 2.6	53	8	0	—	- 1.70	*	*	*
	Glasgow	58	36	55.1	43.3	48.9	- 1.7	48	0	1	0.01	- 0.89	20.6	+ 1.0	25
7. ENGLAND, N.W.	Ardrossan	60	37	57.1	43.7	50.1	- 2.2	57	0	1	0.01	- 0.89	*	*	*
	Glenlee	60	29	57.1	39.0	47.6	- 2.6	52	8	1	0.01	- 1.29	*	*	*
	Douglas (Isle of Man)	62	34	57.4	43.9	50.3	- 1.7	58	0	3	0.04	- 0.88	32.7	+ 4.6	40
	Stonyhurst	60	34	56.8	43.0	49.6	- 2.2	53	0	0	—	- 1.20	39.7	+ 14.9	48
	Blackpool	62	30	59.6	43.5	51.2	- 1.2	64	0	1	0.19	- 0.71	37.3	+ 13.1	45
	Manchester (Prestwich)	61	24	56.7	43.6	49.8	- 2.3	55	0	4	0.14	- 0.76	32.2†	?	39†
8. ENGLAND, S.W.	Liverpool Obs. (Bidston)	62	42	57.4	47.1	52.0	- 1.6	70	0	1	0.22	- 0.66	*	*	*
	Llandudno	62	39	57.6	47.4	52.3	- 2.2	72	0	2	0.07	- 0.71	26.9	+ 5.6	33
	Holyhead	60	44	56.4	49.3	52.7	- 2.0	75	0	2	0.11	- 0.71	*	*	*
	Llandovery	64	31	61.0	43.7	51.9	- 1.2	69	0	3	0.36	- 0.79	*	*	*
	Pembroke	63	45	58.1	50.3	54.0	- 0.6	84	0	2	0.72	- 0.20	35.9	+ 7.1	44
	Bristol (Montpelier)	66	35	59.2	46.8	52.7	- 0.6	75	0	3	2.18	+ 1.34	*	*	*
9. IRELAND, N.	Arlington (N. Devon)	61	41	58.0	47.4	52.5	- 0.6	74	0	3	0.48	- 0.68	*	*	*
	Cullompton	62	37	58.7	47.4	52.8	- 0.4	76	0	3	0.69	- 0.21	20.5	- 6.3	25
	Falmouth	62	47	59.8	52.7	56.1	+ 1.0	99	0	3	0.44	- 0.30	18.7	- 10.2	20
	Plymouth	63	42	60.5	50.3	55.2	+ 0.1	92	0	4	0.33	- 0.55	22.6	- 7.4	27
	Prawle Point	61	46	58.7	52.3	55.4	+ 0.4	94	0	4	0.43	- 0.21	*	*	*
	Malin Head	56	46	54.1	49.4	51.6	+ 0.4	67	0	1	0.12	?	*	*	*
10. IRELAND, S.	Londonderry	65	34	61.7	40.8	50.8	- 1.0	67	3	1	0.09	- 0.81	*	*	*
	Edenfel (Omagh)	60	26	58.7	36.1	46.9	- 3.8	59	17	2	0.10	- 0.75	*	*	*
	Behmullet	60	40	58.3	47.0	52.4	- 2.2	73	0	5	0.20	?	*	*	*
	Markree Castle	63	28	60.3	37.1	48.1	- 3.0	63	14	1	0.07	- 0.70	41.4	+ 21.2	50
	Brookeborough	62	28	59.5	36.4	47.4	- 2.7	61	16	2	0.06	- 0.83	*	*	*
	Armagh	61	32	57.5	37.7	47.1	- 4.0	54	12	2	0.02	- 0.59	30.7	+ 8.7	37
CHANNEL ISLANDS.	Donaghadee	61	38	57.0	43.1	52.3	0.0	72	0	2	0.18	- 0.52	*	*	*
	Edgeworthstown												*	*	*
	Dublin	59	40	57.2	47.3	52.0	- 1.3	70	0	3	0.13	- 0.42	42.5	+ 15.3	52
	Parsonstown	63	33	58.3	37.9	47.6	- 4.0	56	11	0	—	- 0.71	45.6	+ 20.8	56
	Kilkenny	64	38	58.9	44.6	51.4	- 1.4	66	0	0	—	- 0.63	*	*	*
	Roche's Point	60	46	59.6	49.6	54.4	0.0	87	0	2	0.10	- 0.89	*	*	*
CHANNEL ISLANDS.	Valencia	63	43	60.7	49.4	54.8	0.0	90	0	0	—	- 1.07	37.9	+ 12.9	46
	Killarney												*	*	*
CHANNEL ISLANDS.	Foynes	64	40	59.6	42.9	50.9	- 1.7	62	0	0	—	?	*	*	*
	Scilly (St. Mary's)	62	54	60.1	55.4	57.6	+ 1.0	109	0	2	0.19	- 0.66	22.2	?	27
CHANNEL ISLANDS.	Jersey	67	47	63.9	55.4	59.5	+ 1.6	123	0	4	0.94	+ 0.16	31.3	- 3.7	38

Stations marked *†* are in connection with the Royal Meteorological Society, and those marked *§* with the Scottish Meteorological Society.

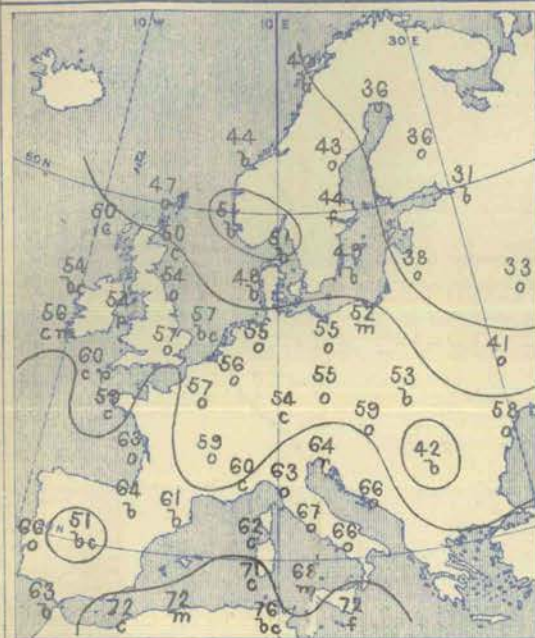
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 23rd September.

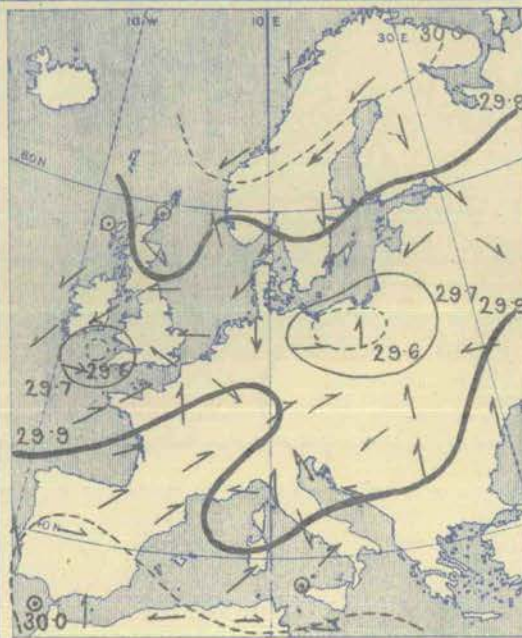
Temperature and Weather.

8 a.m.

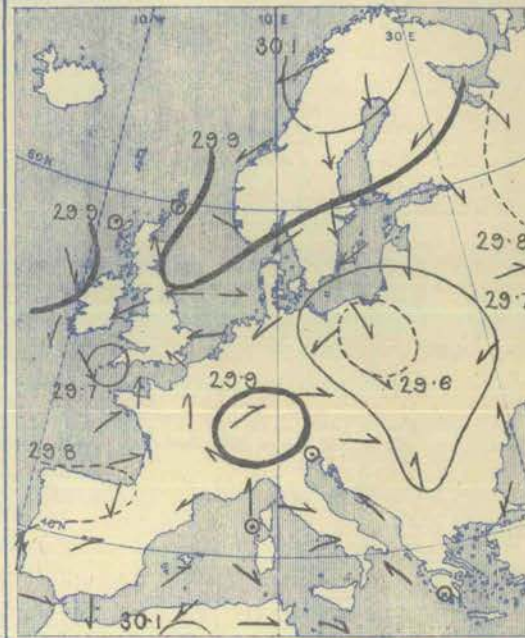


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or overcast in most parts of our Islands, with rain in the extreme south-east of England, and with passing showers in many other localities. Fine and bright over Scandinavia and Denmark, as well as in Spain and the south of France; cloudy in most other parts of the Continent, with rain at several of the Baltic stations and also at Trieste. Rain falling later in many parts of western and central Europe, heavily at several of the French and German stations. (The newspapers report that at High Wycombe $\frac{1}{4}$ ins. of rain fell during the afternoon in the space of about an hour and a half.)

Temperature risen a little in the south of our Islands, and more decidedly in Austria and the south of Russia; fallen in most other localities. Morning readings highest, 75° at Stax, 76° at Tunis, and 75° at Barcelona, above 60° at some of the English Channel stations. Lowest, 31° at St. Petersburg, 33° at Moscow, and 36° at Haparanda and Uleaborg; below 45° at most of the Scandinavian stations. Daily maxima below 60° in all the more northern parts of our Islands, but exceeding 65° at some of the extreme southern stations. Rising to 75° or more over southern Europe generally, and reaching 86° at Bilbao and Cape Bearn.

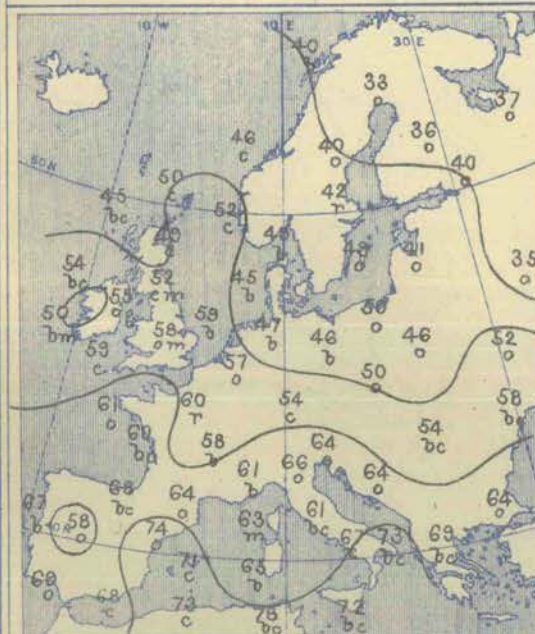
Wind calm or light and variable in Scotland; Easterly or North-Easterly over Ireland and England; South-Westerly in France. Light to fresh from the North-Eastward or Northward over Scandinavia and Denmark; Westerly in Germany; light from the Southward in the south of Russia. Variable over Italy, Spain, and the extreme south of France. No important change occurring later.

Barometer highest, 30.0 ins. and upwards over the northern parts of Scandinavia, and also over Spain and Algeria. Lowest, 29.6 ins. and less in two depressions, one lying over the north-eastern parts of Germany, the other near the mouth of the Bristol Channel. Latter disturbance subsequently moving slowly southwards, and barometer rising in the west of our Islands. German depression moving eastwards to western Russia.

Monday, 24th September.

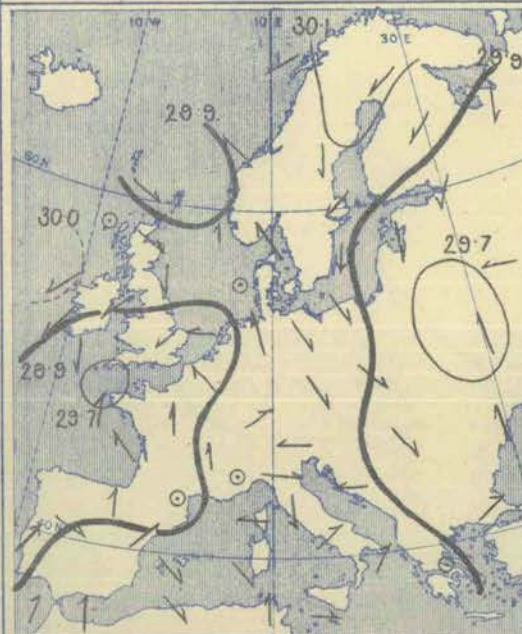
Temperature and Weather.

8 a.m.

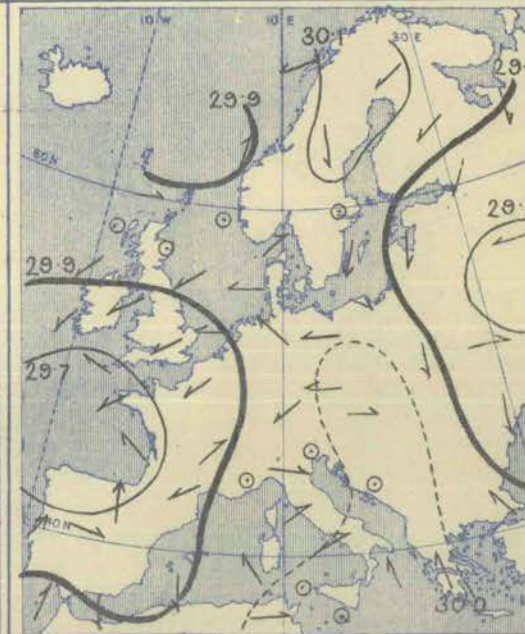


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Ireland and Scotland, as well as in Denmark and north Germany, cloudy in nearly all other parts of western, central, and northern Europe, with mist at several of the English stations, and with rain in the north of France. Fine over Italy, Austria, and the southern parts of France and Spain. Considerable falls of rain taking place later over the south of England and the north of France; thunderstorms occurring over the Channel Islands and the north of France, with heavy rain in places; lightning seen at Prawle Point.

Temperature fallen in Finland, Sweden, and the greater part of central Europe, but changed irregularly elsewhere. Morning readings highest, 78° at Stax, 74° at Barcelona, and 73° at Brindisi and Algiers; above 65° at several of the Mediterranean stations, and also on the coasts of the Spanish Peninsula. Lowest, 33° at Haparanda, 34° at Uleaborg, 35° at Moscow, and 36° at Kuopio; below 45° in many parts of northern Europe. Daily maxima below 60° on our north and north-west coasts, but thermometer rising to 66° at York and Hurst Castle. Exceeding 70° over southern Europe generally, and reaching 88° at Biarritz and Palermo.

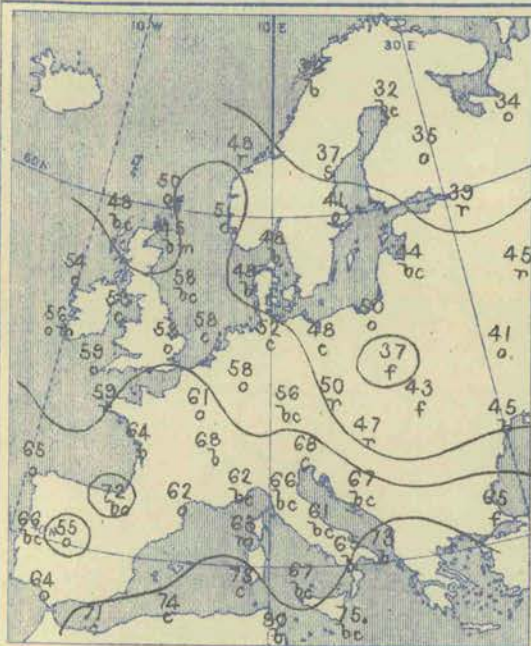
Wind light to moderate from the North-Eastward over Ireland, England, and the Netherlands, but Southerly in France and Spain. Light from West or North-West in the north of Scotland; moderate from between South and East in the west of Norway. Northerly over Sweden and northern Russia; North-Westerly in Germany and Austria; Southerly in the south of Russia. Light and variable over Italy and the Mediterranean. Subsequently veering to the South-Eastward over the western parts of the Channel; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards over the north of Scandinavia; 30.0 ins. and upwards in three other areas, one lying off the north-west of our Islands, another over south Germany, and a third over central Algeria. Lowest, 29.7 ins. and less in a small shallow depression over the western part of the English Channel, and also in a larger system over western Russia. Channel depression subsequently moving southwards, but fresh fall of barometer setting in over a considerable portion of our Islands. Russian disturbance moving eastwards.

Tuesday, 25th September.

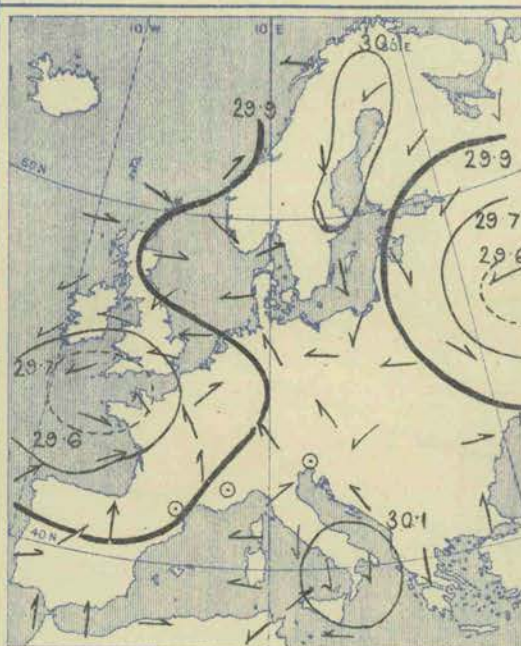
Temperature and Weather.

8 a.m.

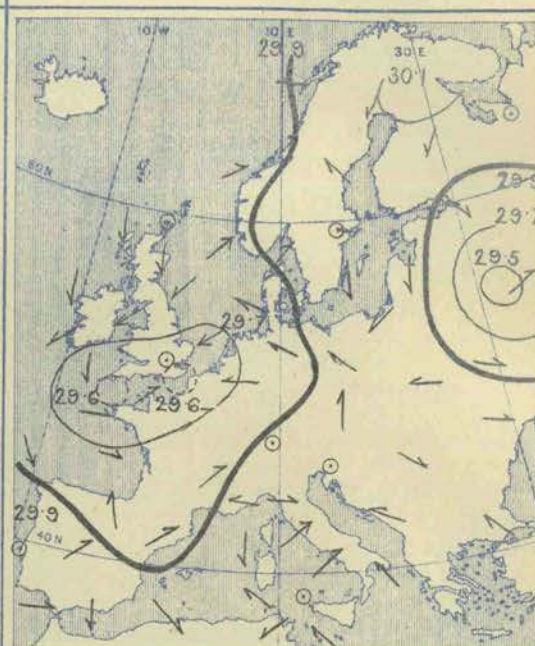


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in the north of England and the east of Scotland, but cloudy or overcast in all other parts of our Islands, with fog or mist over the Channel, and with rain at several of our western and southern stations. Fine over Denmark and the Baltic, as well as in Italy and the south of France; cloudy and unsettled in other parts of the Continent, with rain at many of the Russian and Austrian stations. Rain falling during day over all but the southern parts of Europe, amounts large at some of our southern and eastern stations. Thunderstorms occurring at several of the French stations.

Temperature risen in Ireland and also at many of the French and German stations; fallen in most other localities. Morning readings highest, 80° at Sfax, 77° at Tunis, 75° at La Calle, and 74° at Barcelona and Algiers; above 65° in many parts of southern Europe. Lowest, 32° at Uleaborg, 33° at Haparanda, and 34° at Archangel; below 40° over the northern parts of Russia and Scandinavia generally. Daily maxima below 60° over a considerable portion of our Islands, and below 65° at all stations excepting Jersey. Thermometer exceeding 70° in France, and exceeding 75° in most parts of southern Europe.

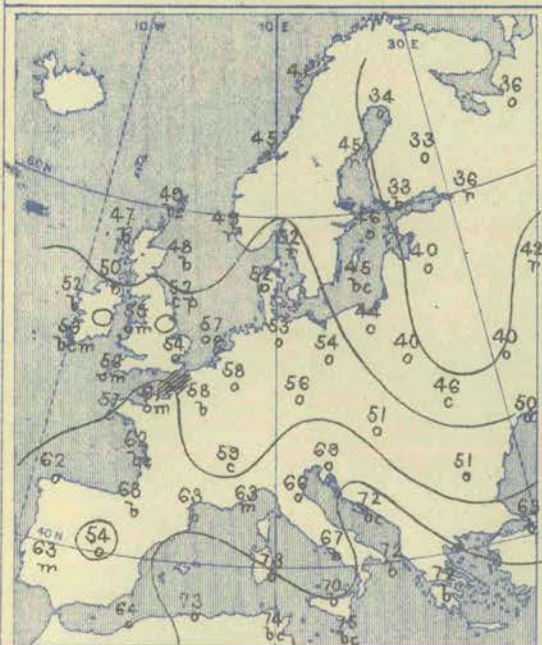
Wind light to moderate from the Eastward or North-Eastward over Ireland, England, the Netherlands, and north Germany; moderate to fresh from the South-Westward or Westward over Spain and the west of France; Southerly or South-Easterly over south Germany and central France. Light from the Westward in the north of Scotland, and from the South-Westward in the south of Norway. North-Easterly over northern Russia; Northerly in Sweden; Westerly or South-Westerly in the south of Russia. Subsequently becoming very variable in the extreme south of England; no important change occurring elsewhere.

Barometer highest, 30.1 ins. and upwards (1) over the Gulf of Bothnia, (2) over the south of Italy; 30.0 ins. and upwards in the extreme south of Spain. Lowest, 29.6 ins. and less in a shallow depression lying over Brittany and the western part of the Channel, and also in a well-marked disturbance over central Russia. Channel depression subsequently moving steadily in an east-north-easterly direction, and barometer rising again over the south-west of our Islands and the west of France.

Wednesday, 26th September.

Temperature and Weather.

8 a.m.

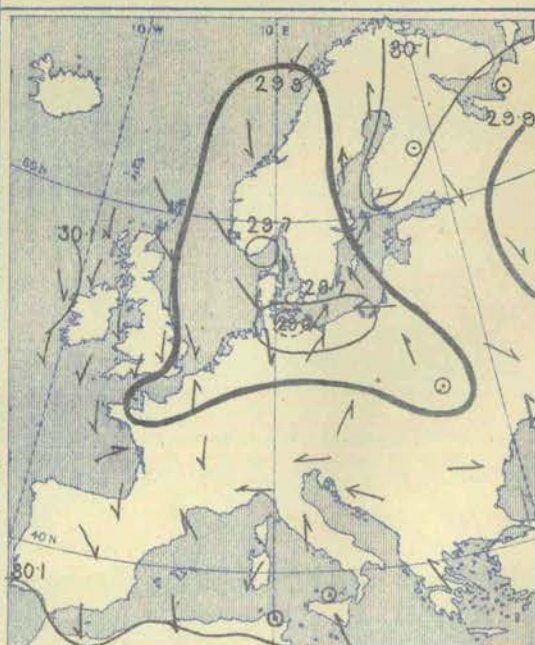


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Ireland and the north of Scotland, but dull in most other parts of the United Kingdom, with rain over central England, as well as at Leith. Fine over France and the south of Italy, but cloudy in all other parts of the Continent, with rain at several of the Scandinavian and Russian stations. A little rain falling during day in many parts of our Islands, and large quantities at some of the Continental stations, as much as 0.9 in. at Utrecht, 1.0 in. at Paris, and 1.8 ins. at Faerder. Thunderstorms occurring in the south-west of Austria.

Temperature fallen a little in most parts of western Europe and also in Russia, but risen in most of the central and southern countries. Morning readings highest, 79° at Sfax, 76° at Barcelona, and 75° at Malta; above 70° at most of the Mediterranean and Adriatic stations. Lowest, 30° at Uleaborg, 33° at Kuopio and Hangö, and 34° at Haparanda; below 45° over Russia and the north of Scandinavia generally. Daily maxima over our Islands below 60° in most places, and below 55° at some of the northern and eastern stations. Thermometer exceeding 70° over the southern parts of Europe generally.

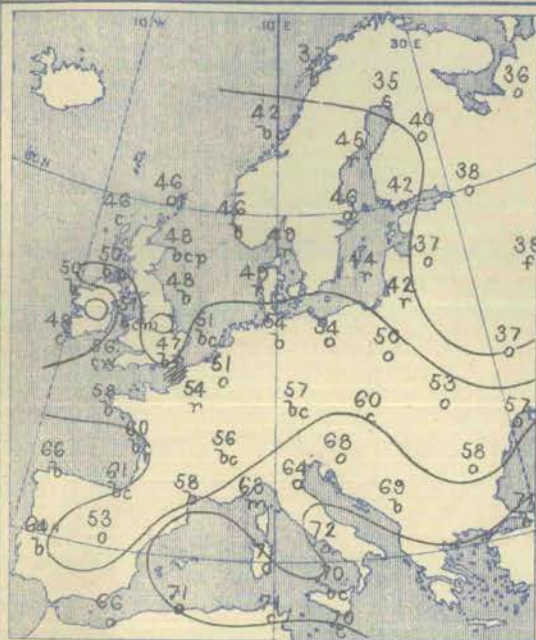
Wind light to moderate from the Northward in our Islands, but from the Westward or South-Westward over France and western Germany. Moderate to strong from the South-Eastward over eastern Germany, Denmark, and the south of Scandinavia; Easterly in the north of Scandinavia. Light from the North-Westward or Westward in Russia, but very variable over southern Europe and the Mediterranean. No important change occurring during day; but South-Westerly and Westerly winds setting in over Italy in evening.

Barometer highest, 30.0 ins. and upwards over nearly the whole of southern Europe, as well as (1) in a band extending northwards from the Black Sea to Finland, and (2) in an anticyclone beginning to appear off the west of Ireland. Lowest, 29.6 ins. and less in a shallow depression over north Germany, and also in a deeper disturbance over central Russia. Both depressions subsequently moving eastwards; barometer rising steadily in most parts of western Europe.

Thursday, 27th September.

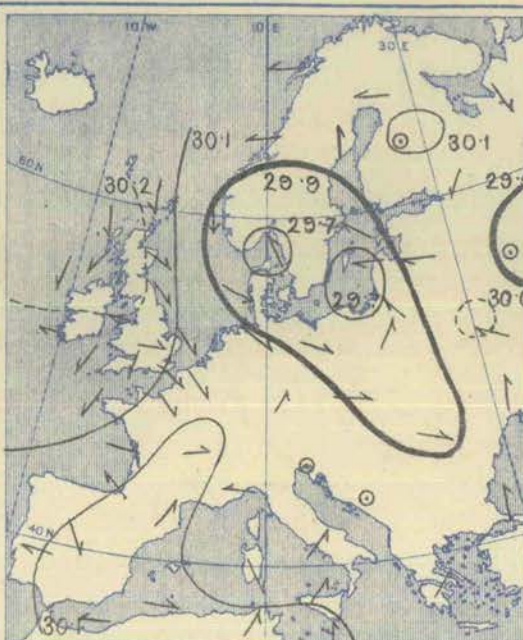
Temperature and Weather.

8 a.m.

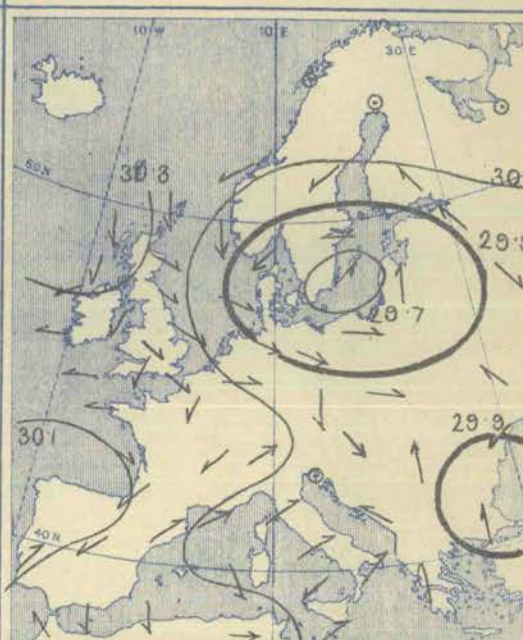


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of western and southern Europe, but foggy or misty at several of the English and Scotch stations, and rainy at Paris. Cloudy and unsettled in most of the northern, eastern, and central countries, with rain in Sweden, the north of Denmark, and the extreme south of Norway, and with snow at Haparanda. Showers falling later at some of our own northern and eastern stations, and considerable amounts of rain in Sweden and Denmark. Solar halo seen at Oxford.

Temperature fallen in most of the western and northern countries, but risen elsewhere. Morning readings highest, 73° at Barcelona and Athens, 72° at Rome, and 71° to 70° at several of the Mediterranean stations. Lowest, (1) 34° at Parsonstown and 39° at Loughborough; (2) 35° at Haparanda, 36° at Ulenborg and Archangel, and 37° at Bodö and Helsingfors, below 40° at most of the Russian stations. Daily maxima below 60° in many parts of the United Kingdom, and below 55° at several northern stations. Thermometer exceeding 70° in the south of France, and exceeding 80° in the southern parts of Spain and Italy. Frost occurring at night over the central parts of England and Ireland.

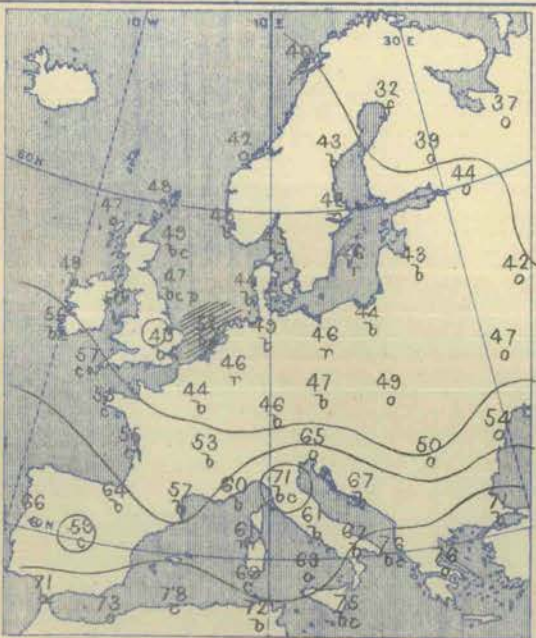
Wind light from the Northward or North-Westward in the north and east of our Islands, and strong from the same quarter on the eastern shores of the North Sea; moderate from the Westward or South-Westward in Germany, but Easterly over Sweden and the northern parts of Norway. Light to moderate from the Eastward or North-Eastward over the west and south of our Islands and the north of France; variable over Spain and the south of France; Southerly or South-Westerly in Italy, variable in the south of Russia. No important change occurring over western Europe during day.

Barometer highest, 30.2 ins. and upwards in an anticyclone covering all the north-western parts of our Islands; 30.1 ins. and upwards in another system over Algeria, Spain, and the southern and central parts of France, and also in a small area lying over central Finland. Lowest, 29.7 ins. and less in two well-marked depressions lying over Denmark and the Baltic. Depressions subsequently becoming united and moving slowly eastwards; barometer rising in most parts of western and northern Europe.

Friday, 28th September.

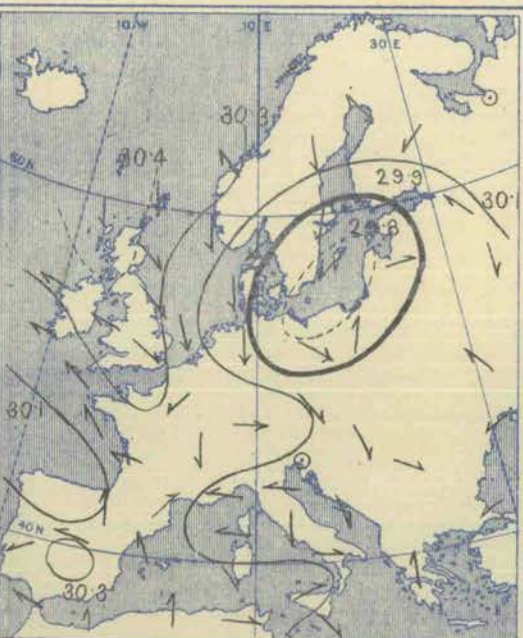
Temperature and Weather.

8 a.m.

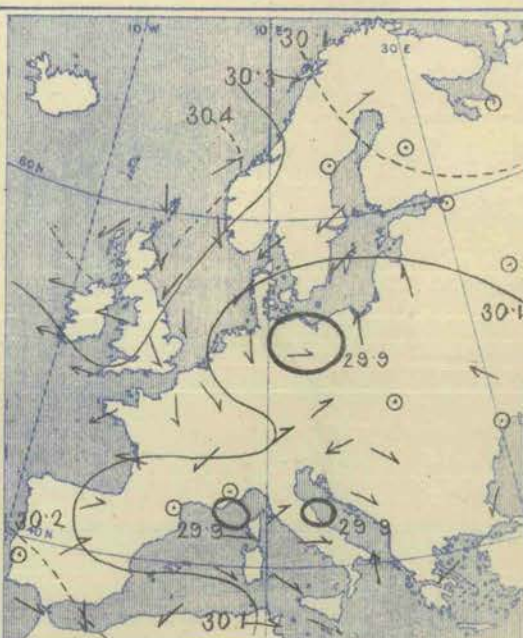


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of western and southern Europe, but foggy in London and showery on the north-east coast of England. Fine in the southern parts of Denmark and Germany, but dull and unsettled over the northern and central countries generally, with rain in the south of Sweden and north of Denmark, as well as at Helsingfors, Berlin, and Brussels. Showers falling during day over the eastern and central parts of Great Britain generally, and larger amounts of rain over the Netherlands and the north of France; solar halo seen at Jersey and lightning at Biarritz. Thunderstorm occurring at Bamberg, and Patras, and 75° at Malta and Sfax; above 65° in many parts of southern Europe. Lowest, (1) 32° at Ulenborg, 37° at Archangel, 38° at Haparanda, and 39° at Kuopio; (2) 39° at Loughborough, 40° at Oxford, and 41° at Parsonstown. Daily maxima over our Islands ranging in most cases between 53° and 57°, but thermometer reaching 62° at Jersey and 63° at Valencia (Ireland). Exceeding 70° over the southern parts of France, and exceeding 80° in Spain and the south of Italy. Frost occurring over central England at night.

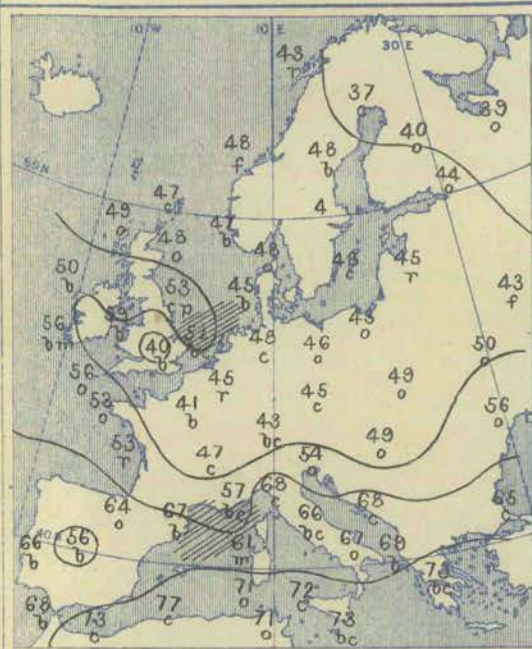
Wind light to moderate from the Northward or North-Westward over the northern and eastern parts of Great Britain, moderate to fresh from the Eastward on the western coasts of our Islands and France. Variable in the north of Scandinavia. South-Easterly over the Gulf of Finland, North-Easterly in the south of Sweden; Northerly in Denmark and the south of Norway, with a gale at Faerder; Westerly or North-Westerly in Germany, Austria, and Italy. Variable in the south of France, light from the Eastward in the central and southern parts of Spain. No important change occurring during day.

Barometer highest, 30.4 ins. and upwards in Scotland, 30.3 ins. and upwards in an anticyclone spreading from the Northward over all but the extreme south-eastern and south-western parts of our Islands. Lowest, 29.3 ins. and less in a depression over the Baltic; 29.9 ins. and less in a shallow system over the Grecian Archipelago; 30.1 ins. and less over the Bay of Biscay. Baltic depression subsequently moving southwards and partially filling up; small disturbances appearing in evening over the Gulf of Genoa and northern Italy.

Saturday, 29th September.

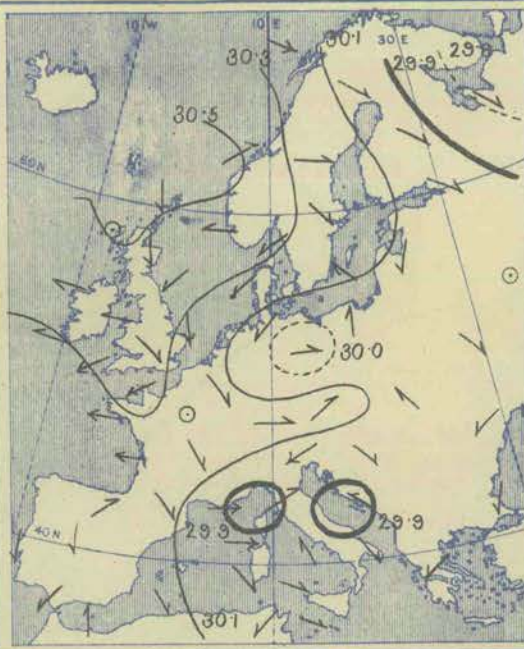
Temperature and Weather.

8 a.m.

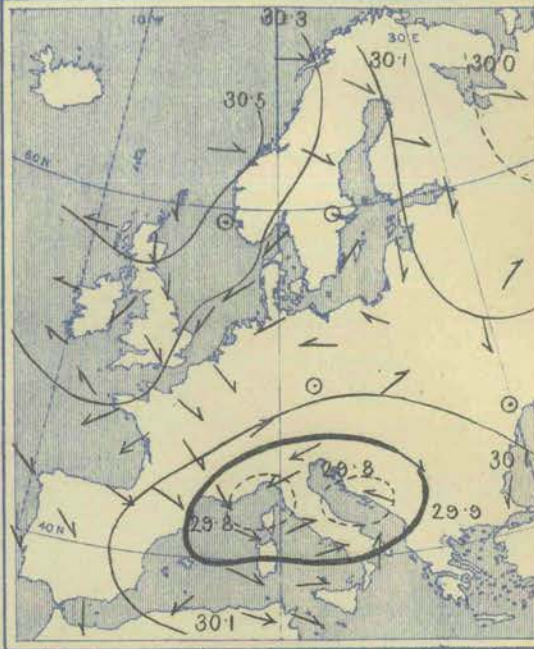


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of our Islands, but dull at some of the northern stations, and foggy over central England. Dull in the west of France, with rain at Rochefort; cloudy in most of the northern, eastern, and central countries, and rainy over the Baltic Provinces; fair or fine over southern Europe as a whole. Slight rain falling during day at several stations in the eastern and south-eastern parts of Great Britain, and larger quantities in many parts of France, Germany, the Netherlands, and northern Italy. Thunderstorm occurring at Nice during the ensuing night.

Temperature risen over the northern parts of our Islands and the Continent, but fallen in most other localities. Morning readings highest, 77° at Algiers and Sfax, 74° at Barcelona, and 73° at Oran and Patras; above 65° in most parts of southern Europe. Lowest, (1) 35° at Loughborough, 39° at Oxford, and 40° in London; (2) 37° at Haparanda, 39° at Archangel, and 40° at Carlstadt and Kuopio; (3) 41° at Paris and 43° at Munich. Daily maxima below 60° in most parts of the United Kingdom; thermometer exceeding 70° over southern Europe generally, and reaching 86° at Cape Béarn and 88° at Palermo and San Fernando.

Wind light to moderate from the Northward over the northern and eastern parts of our Islands; moderate to fresh from the Eastward on our west and south-west coasts and over the Bay of Biscay. Westerly or North-Westerly over the northern parts of Russia and Scandinavia; North-Easterly over Denmark, the Baltic, and the south of Scandinavia; Westerly or South-Westerly over the central and southern parts of Germany. Variable in Italy and Algeria, North-Westerly in the south of France; chiefly Northerly in Spain. Well-marked cyclonic circulation appearing later over Italy and the neighbouring parts of France, Austria, and the Mediterranean; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards in the extreme north of Scotland and the west of Norway; 30.2 ins. and upwards over the greater part of western and northern Europe. Lowest, 29.8 ins. and less in a depression over northern Russia; 29.9 ins. and less in two well-marked systems lying respectively over the Gulf of Genoa and the northern part of the Adriatic; 30.0 ins. and less in a small shallow disturbance over Germany. German disturbance subsequently filling up; no change of importance occurring elsewhere.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b— = blue sky; —c— = detached clouds; —o— = overcast; —m— = misty (hazy); —f— = foggy; —r— = rain; —h— = hail; —s— = snow; —l— = lightning; and —t— = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of last week the distribution of pressure was very irregular, the barometer being high both over northern and southern Europe, and lowest in depressions lying respectively over north-eastern Germany and the south-west of our Islands. The disturbance in the latter region, after occasioning heavy falls of rain in some parts of England, passed southwards to the Bay of Biscay, but, on the night of the 24th, a new depression was formed near the mouth of the Channel; the latter system ultimately moving in an east-north-easterly direction to the Baltic and eastern Germany, where it apparently dispersed. A large anticyclone was, in the meantime, spreading over our Islands from the westward, and, by the close of the week, this system had extended over the greater part of north-western Europe, the weather being fair and dry generally, but with cool winds from North or North-East. In the southern countries the conditions were beginning to be affected by a complex depression which had formed over the Gulf of Genoa and the northern parts of Italy and Adriatic. This disturbance caused heavy rain in those regions, with strong Easterly winds in the south of Austria, and strong North-Westerly winds in the extreme south of France.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 230.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	22.3	?	27	?	EASTBOURNE	20.2	?	36	?
OSWALDKIRK (Yorkshire)	33.4	?	41	?	MANCHESTER (Oldham Road)	20.0*	?	32*	?
WORKSOP	25.7	+ 2.9	31	+ 4	TENBY	33.0*	?	40*	?
THURCASTON (Leicestershire)	25.1	+ 3.1	31	+ 4	NEWQUAY	20.0	?	24	?
MARGATE	22.9	?	28	?	TORQUAY	21.1*	?	25*	?
WESTBOURNE (Sussex)	33.7*	?	41*	?	ARLEY COTTAGE (County Cavan)	?	?	?	?
BRIGHTON	33.3	?	41	?	GUERNSEY	36.5*	?	44*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, OCTOBER 6TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 236.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	64	33	55.4	42.2	48.3	0 (average)	Day-deg. 46	Day-deg. 0	Day-deg. 0	Day-deg. - 4	Day-deg. 1954	Day-deg. +301	Day-deg. 497	Day-deg. - 57
	1. SCOTLAND, EAST	64	28	55.6	41.0	48.1	1 below	47	- 7	3	- 1	2047	- 74	585	+ 2
	2. ENGLAND, N.E.	64	32	56.0	43.0	49.3	2 below	51	-10	0	- 2	2257	+ 12	455	- 58
	3. ENGLAND, EAST.	61	39	57.8	47.6	52.5	1 above	74	+ 6	0	- 3	2649	+ 30	471	-104
	4. MIDLAND COUNTIES.	65	31	56.8	42.2	49.3	2 below	51	-14	0	- 5	2585	+ 13	483	- 89
	5. ENGLAND, SOUTH	64	34	58.0	47.4	52.6	1 below	74	- 2	0	- 2	2896	+ 72	303	-122
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	61	31	56.0	41.5	48.5	2 below	48	-11	1	- 2	2193	+ 12	347	- 71
	7. ENGLAND, N.W.	62	32	56.7	42.8	49.5	2 below	53	- 8	0	- 1	2503	+147	302	-122
	8. ENGLAND, S.W.	64	30	57.9	44.4	51.0	2 below	63	- 9	0	- 1	2685	+ 76	236	- 82
	9. IRELAND, NORTH	65	28	58.7	43.0	50.6	0 (average)	60	- 1	0	- 1	2335	+ 13	335	- 34
	10. IRELAND, SOUTH	62	31	58.6	42.7	50.4	0 (average)	59	-12	0	- 1	2647*	+ 42	217	- 69
	-CHANNEL ISLANDS	63	47	59.3	52.1	55.6	1 below	95	+ 1	0	0	3177	+229	94	- 13

DISTRICTS. (See p. 236.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.					For the Week.				From December 31st, 1893.			
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	10ths of in. less than ½	10ths of ins. 11 less	169	-13	37.3	+ 2.6	25	+ 1	32	+ 1	1033	+131	33	+ 4	
	1. SCOTLAND, EAST	2	1	6 less	155	+ 5	26.9	+ 3.2	19	- 9	24	-11	1153	+ 43	34	+ 1	
	2. ENGLAND, N.E.	4	2	4 less	158	+20	18.9	- 0.8	18	0	22	0	1176	+108	33	+ 3	
	3. ENGLAND, EAST.	4	2	4 less	153	+16	19.4	0.0	16	-10	21	-12	1284	- 40	35	- 1	
	4. MIDLAND COUNTIES.	2	1	6 less	145	+13	18.4	- 3.2	13	-10	16	-13	1176	+ 7	32	0	
	5. ENGLAND, SOUTH	3	3	4 less	147	+18	21.7	+ 1.4	20	-10	25	-13	1377	- 22	26	- 1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	less than ½	11 less	158	0	31.6	- 1.9	15	- 7	19	- 9	1223	+ 44	33	+ 1	
	7. ENGLAND, N.W.	0	-	9 less	155	+11	24.8	- 0.7	22	+ 7	27	+ 3	1120	+ 54	33	+ 1	
	8. ENGLAND, S.W.	1	less than ½	10 less	169	+12	28.7	- 0.6	34	+ 6	42	+ 7	1424	- 6	38	0	
	9. IRELAND, NORTH	0	less than ½	8 less	174	+ 3	27.4	+ 0.7	25	+ 5	32	+ 6	1103	+ 46	30	+ 1	
	10. IRELAND, SOUTH	0	-	8 less	159	+ 4	29.5	+ 0.7	29	+ 5	36	+ 5	1181	- 73	32	- 2	
	-CHANNEL ISLANDS	2	1	7 less	165	+ 9	26.5	+ 3.0	25	- 6	32	- 8	1540	- 97	43	- 2	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather. During the earlier part of the week the weather was mostly fair and dry, though with a good deal of cloud and mist in places. Later on the conditions became less settled, a little rain occurring at most of the eastern, central, and southern stations, and some rather decided falls on the south-east coasts of England.

Temperature was slightly above the mean in England E. and just equal to it in Scotland N. and over Ireland. In all other districts there was a deficit amounting to one or two degrees. Highest readings were recorded mostly during the early part of the week, when the thermometer rose to between 62° and 65° in all districts excepting England E. and Scotland W. Lowest readings were also observed, as a rule, some time early in the week. Frost occurred in all districts excepting Scotland N., England E. and S., and the Channel Islands; in Scotland E. and Ireland N. the sheltered thermometer fell to 58°.

Rainfall was very deficient in all districts. In England N.W. and Ireland S. there was none at all, and in all the other Grazing districts, as well as in Scotland N., the amount was exceedingly slight.

Bright Sunshine was in excess of the average in Ireland, Wales, the western parts of England and the north of Scotland, and equalled the normal in England N.E. Elsewhere there was a deficiency, the absence of sunshine being most marked in the east and south of England. The percentage of the possible duration ranged from 42 in England S.W. and 36 in Ireland S., to 19 in Scotland W. and 16 in the Midland Counties.

Barometer and Wind.—The distribution of pressure was mostly anticyclonic, the highest barometer readings being reported from the northern and north-western parts of the United Kingdom. The prevailing winds were, therefore, North-Easterly or Northerly, but their force was, as a rule, very slight. On the 4th and 5th a depression over Germany spread westwards and affected the weather in our eastern districts, while, on the 6th, a shallow subsidiary disturbance which appeared over the north-east of France occasioned rather decided falls of rain in the south and south-east of England.

II.—DATA from which the SUMMARY on page 235 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	57	42	53.6	46.1	49.7	+ 1.8	54	0	3	0.12	-0.77	*	*	*
	Stornoway	56	37	55.0	39.9	47.2	- 0.9	45	6	1	0.10	-0.94	23.3	+ 1.0	30
	Wick	64	43	55.0	48.6	51.7	+ 3.0	68	0	3	0.04	-0.59	*	*	*
	Lairg												*	*	*
	Glencarron	60	34	56.9	33.8	47.6	0.0	53	9	0	—	-1.80	*	*	*
1. SCOTLAND, E.	Fort Augustus	62	33	55.8	38.9	47.1	- 0.7	49	9	0	—	-0.96	23.2	?	30
	Fort William	59	36	55.8	40.9	48.1	- 1.7	47	3	0	—	-1.72	27.9	?	36
	Nairn	64	28	56.7	37.9	47.0	- 2.3	52	11	1	0.01	-0.57	*	*	*
	Aberdeen	64	37	55.4	44.6	49.8	+ 0.2	55	0	3	0.29	-0.39	13.9	- 6.1	13
	Braemar	62	28	53.9	37.4	45.4	- 0.5	43	13	1	0.02	-0.86	28.3†	††	36†
2. ENGLAND, N.E.	Ochtertyre	64	11	57.0	39.7	48.1	- 0.8	52	6	3	0.19	- 0.80	*	*	*
	Leith	61	35	57.0	42.7	49.6	- 1.5	53	0	3	0.08	-0.27	*	*	*
	Marchmont	59	38	53.7	43.4	48.4	0.0	45	0	3	0.10	-0.43	19.5	?	25
	Alnwick Castle	59	32	53.9	43.3	48.4	- 1.0	45	0	3	0.23	-0.40	*	*	*
	Durham	60	33	56.1	40.6	48.1	- 1.7	49	4	6	0.30	-0.33	26.4	+ 6.2	33
3. ENGLAND, E.	Shields	61	38	55.9	43.9	49.7	- 0.9	54	0	3	0.11	-0.51	*	*	*
	Scarborough	59	40	56.1	43.5	49.6	- 1.8	53	0	4	0.41	-0.27	*	*	*
	York	64	35	57.3	38.9	47.8	- 3.4	54	9	4	0.15	-0.45	12.5	- 7.5	16
	Spurn Head	59	46	56.6	48.0	52.2	- 0.5	71	0	5	0.15	-0.37	*	*	*
	Hillington	60	43	58.3	46.7	52.3	+ 0.8	72	0	4	0.26	-0.34	14.0	- 9.8	18
4. MIDLAND COUNTIES	Yarmouth	58	50	57.6	51.3	54.4	+ 2.0	57	0	4	0.33	-0.34	*	*	*
	Geddeston	58	47	57.6	49.2	53.3	+ 0.7	79	0	4	0.23	-0.37	22.8	- 6.0	29
	Cambridge	61	39	58.6	44.4	51.3	- 0.7	65	0	3	0.17	-0.33	13.1	-13.9	17
	Rothamsted	58	44	56.7	46.5	51.5	+ 0.4	67	0	3	0.13	-0.49	14.8	?	19
	Bawtry (Hesley Hall)	65	34	59.1	41.3	49.9	- 1.0	58	2	2	0.16	-0.49	*	*	*
5. ENGLAND, S.	Loughborough	60	31	56.6	39.4	47.3	- 3.8	52	7	3	0.08	-0.57	*	*	*
	Stamford (Ketton Hall)	61	34	58.6	41.3	49.7	- 1.9	57	2	3	0.31	-0.36	*	*	*
	Cheadle	59	40	55.0	43.1	48.9	- 0.8	48	0	0	—	-0.77	*	*	*
	Churchstoke	60	31	54.4	40.0	47.0	- 2.8	43	6	1	0.06	-0.66	17.1	- 6.6	22
	Hereford	60	34	56.4	42.4	49.2	- 2.1	50	0	1	0.03	-0.62	*	*	*
6. SCOTLAND, W.	Cirencester	59	42	56.4	45.1	50.6	0.0	60	0	1	0.04	-0.71	20.6	- 2.6	26
	Oxford	60	39	58.1	44.6	51.2	- 0.8	64	0	3	0.12	-0.51	15.8	- 9.2	20
	London	61	40	59.0	46.1	52.4	- 0.5	73	0	3	0.19	-0.41	12.8†	- 8.0†	16†
	North Foreland	58	50	57.1	51.7	54.3	+ 0.1	86	0	5	0.42	?	*	*	*
	Strathfield Turgiss	60	34	58.5	43.8	50.9	- 0.9	62	0	3	0.15	-0.47	*	*	*
7. ENGLAND, N.W.	Dungeness	59	45	57.7	50.4	53.9	- 0.2	83	0	4	0.44	-0.26	*	*	*
	Hastings (St. Leonards)	59	47	57.7	49.6	53.5	- 0.9	81	0	4	0.70	-0.07	19.9	-11.7	25
	Southampton	64	42	59.5	46.3	52.7	- 0.7	75	0	2	0.35	-0.42	18.3	-10.5	23
	Hurst Castle	61	44	58.6	48.0	53.1	- 1.0	78	0	1	0.10	-0.64	*	*	*
	Stowell	58	38	56.1	43.5	49.6	- 1.7	53	0	2	0.02	?	*	*	*
8. ENGLAND, S.W.	Laudale (Loch Sunart)	61	38	57.6	44.4	50.8	+ 0.9	62	0	0	—	-1.75	*	*	*
	Glasgow	56	34	53.7	42.6	48.0	- 1.5	42	0	1	0.01	-0.84	2.7	-15.1	3
	Ardrossan	58	37	55.1	42.3	48.5	- 2.6	46	0	0	—	-0.90	*	*	*
	Glenlee	60	31	56.6	38.4	47.2	- 1.7	52	10	1	0.01	-1.29	*	*	*
	Douglas (Isle of Man)	59	36	56.8	39.7	48.0	- 2.9	52	6	1	0.01	-0.91	26.5	+ 0.5	34
9. IRELAND, N.	Stonyhurst	56	33	54.2	41.5	47.7	- 2.9	42	1	1	0.01	-1.19	20.1	- 2.3	25
	Blackpool	61	32	55.6	39.6	48.3	- 2.3	58	7	0	—	-0.92	28.7	+ 6.7	36
	Manchester (Prestwich)	55	36	55.6	40.2	47.7	- 3.1	47	5	1	0.01	-0.89	14.5	?	18
	Liverpool Obsy. (Bidston)	58	43	56.4	45.9	51.0	- 1.0	63	0	0	—	-0.87	*	*	*
	Llandudno	62	41	57.7	44.3	50.8	- 2.1	62	0	0	—	-0.82	35.9	+16.4	45
10. IRELAND, S.	Holyhead	59	43	57.4	45.3	51.2	- 2.2	64	0	0	—	-0.88	*	*	*
	Llandoverly	64	30	60.3	36.9	48.3	- 3.5	66	14	0	—	-1.18	*	*	*
	Pembroke	58	45	56.1	46.9	51.4	- 2.1	66	0	0	—	-0.92	33.9	+ 7.6	43
	Bristol (Montpelier)	60	39	58.2	44.6	51.2	- 0.5	64	0	2	0.06	-0.78	*	*	*
	Arlington (N. Devon)	59	39	55.9	42.6	49.1	- 2.7	50	0	1	0.02	-1.17	*	*	*
CHANNEL ISLANDS	Callompton	60	37	58.0	42.8	50.2	- 1.7	57	0	2	0.03	-0.87	21.9	- 2.6	27
	Falmouth	58	43	56.8	46.4	51.5	- 2.5	67	0	0	—	-1.25	40.4	+13.2	51
	Plymouth	61	43	59.0	47.0	52.8	- 1.1	76	0	0	—	-0.82	32.9	+ 5.3	41
	Prawle Point	60	43	58.9	47.9	53.2	- 0.7	78	0	1	0.07	-0.68	*	*	*
	Malin Head	63	45	56.6	46.7	51.5	+ 1.6	67	0	0	—	?	*	*	*
9. IRELAND, N.	Londonderry	65	37	61.3	43.6	52.2	+ 1.6	71	0	0	—	-0.92	*	*	*
	Edenfel (Omagh)	62	29	58.7	41.3	49.7	+ 0.3	57	2	0	—	-0.85	*	*	*
	Belmullet	62	42	60.0	46.4	53.0	- 0.3	77	0	1	0.01	?	*	*	*
	Markree Castle	62	28	60.0	38.2	48.8	- 1.2	64	11	0	—	-0.80	25.3	+ 5.3	32
	Brookeborough	65	31	59.4	41.1	50.0	+ 1.1	60	3	0	—	-0.90	*	*	*
10. IRELAND, S.	Armagh	60	34	57.3	41.6	49.2	- 0.6	52	1	1	0.02	-0.64	24.3	+ 3.5	31
	Donaghadee	59	37	56.4	45.4	50.7	- 0.3	61	0	1	0.02	-0.67	*	*	*
	Edgeworthstown	60	32	57.3	40.1	48.4	- 1.3	53	5	0	—	-0.70	*	*	*
	Dublin	59	40	57.1	44.7	50.7	- 1.2	61	0	1	0.01	-0.58	36.0	+10.2	46
	Parsonstown	61	31	59.6	34.0	46.4	- 3.9	64	22	0	—	-0.70	26.0	+ 2.6	33
CHANNEL ISLANDS	Kilkenny	59	23	57.0	40.6	48.6	- 3.0	52	4	0	—	-0.62	*	*	*
	Roche's Point	60	46	59.0	50.7	54.7	+ 1.5	89	0	0	—	-0.89	*	*	*
	Valencia	61	37	59.9	46.9	53.2	- 0.6	78	0	0	—	-1.14	23.9	+ 0.4	30
	Killarney	62	35	60.7	44.3	52.3	0.0	72	0	0	—	?	*	*	*
	Foynes	61	23	59.3	40.4	49.6	- 1.5	60	74	0	—	?	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	60	50	58.7	52.1	55.3	- 0.2	93	0	1	0.02	-0.82	31.7	?	40
	Jersey	63	47	59.9	52.0	55.8	- 0.7	97	0	3	0.24	-0.63	26.4	- 5.6	33

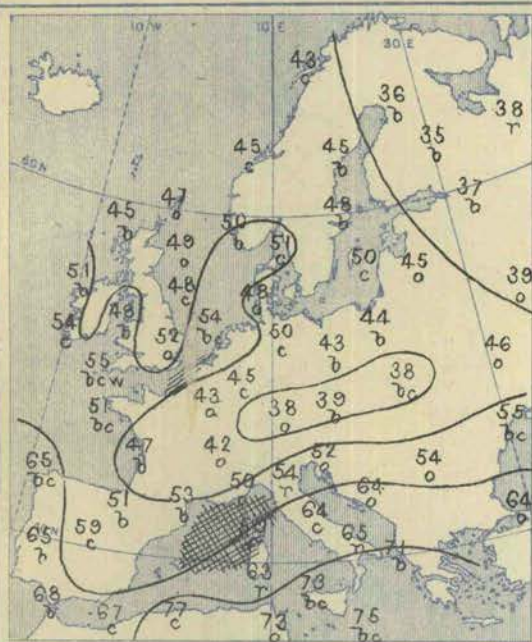
* Stations marked $\mathfrak{A}$ are in connection with the Royal Meteorological Society, and those marked $\mathfrak{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.
† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 30th September.

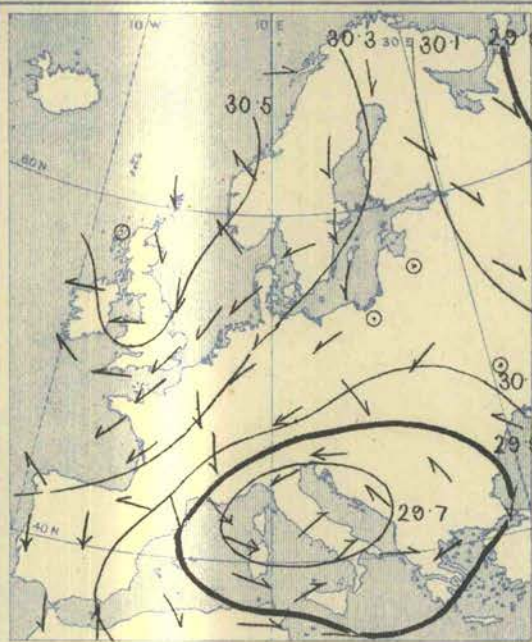
Temperature and Weather.

8 a.m.

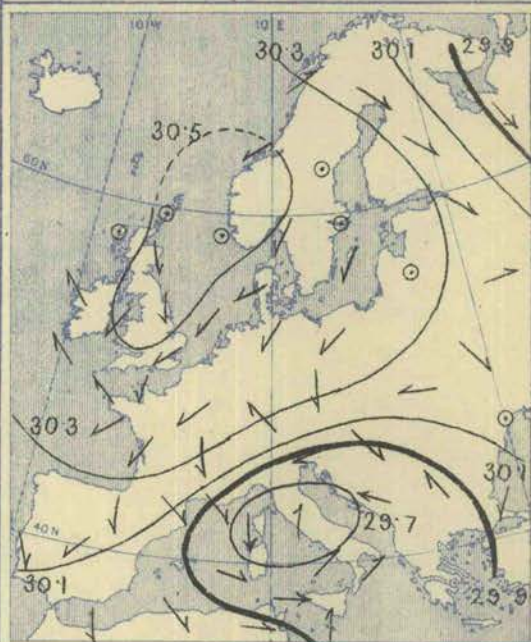


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and dry over the British Islands, north-western and central Europe, and at most stations clear and bright; dull, squally, and rainy over the eastern parts of the Mediterranean, the north of Italy, and Adriatic; rainy over the extreme north of Russia also. Considerable rain in the north-east of France later, and some in the south-east of England; slight showers locally in the north-east of England and at Wick, but heavy falls over some parts of Italy and Corsica; thunderstorms over central France.

Temperature risen over England, fallen over northern Europe. Morning readings still exceeding 70° at Palermo, Malta, and several stations in Tunis and Algeria; exceeding 60° on the coasts of Spain and Portugal. Lowest, 35° to 39° over Finland and the northern half of Russia, and below 40° at Warsaw, Breslau, and Prague. Rising later to 60° or more in several parts of the United Kingdom and on the western and southern coasts of France, and touching 66° at Lorient, 77° at Lisbon, 80° and more in the south of Italy, and 90° at Sfax (Tunis).

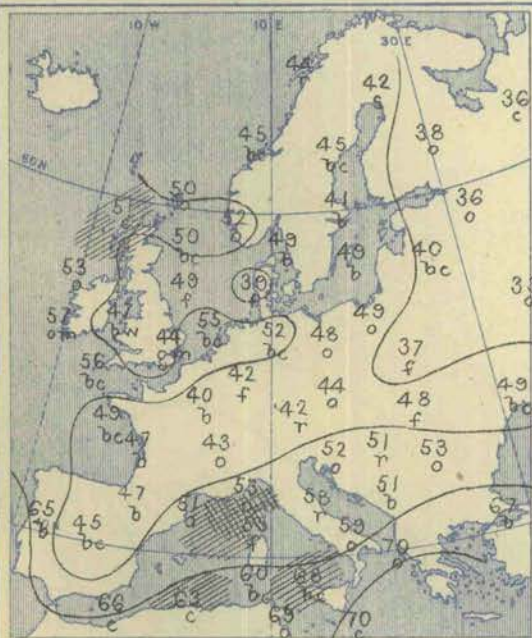
Wind North-Westerly to Northerly over the northern countries, Easterly over Ireland, Wales, and the west of England; North-Easterly over the southern half of France, Northerly over the Iberian Peninsula, North-Westerly to Westerly over the greater part of the Mediterranean (strong in places), South-Westerly over the southern half of Italy. Very variable over south-eastern Europe. Becoming South-Easterly in Ireland later.

Barometer highest, 30.5 ins. and more over the northern parts of our Islands and the west of Norway, and exceeding 30.3 ins. over the whole of our Islands and the north-western countries of Europe. Lowest, about 29.9 ins. to 30.0 ins. over the north-eastern half of Russia, and below 29.7 ins. in a large depression having its central area over the northern parts of the Mediterranean, Italy, and the Adriatic. No decided change later.

Monday, 1st October.

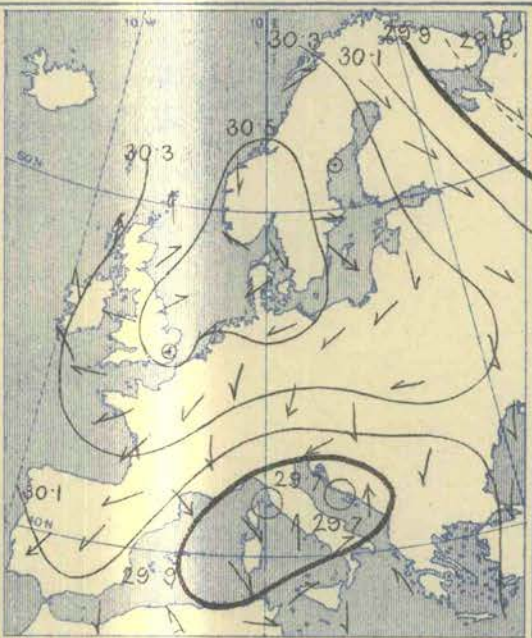
Temperature and Weather.

8 a.m.

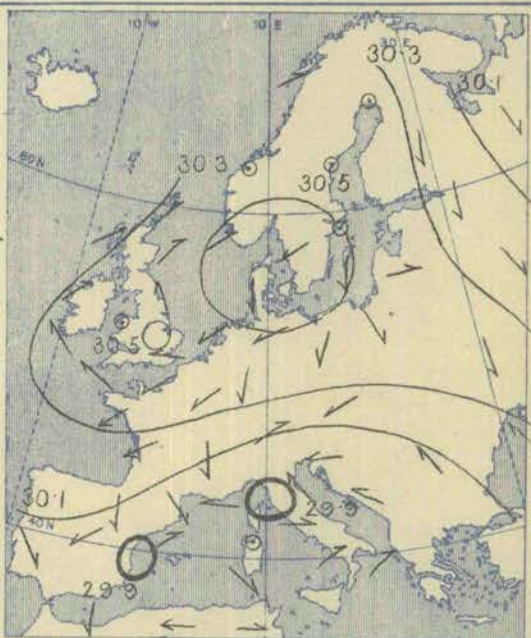


Barometer and Wind.

8 a.m.



6 p.m.



Weather fair or fine over the greater parts of western and northern Europe, but dull in the west of Ireland, foggy at several of the English stations and at Brussels, unsettled in the north of Scandinavia, with rain at Bodø, snow at Hernösand. Dull over central Europe, in Italy, and the south of France; rain falling at several of the Austrian stations and at Rome, fine in the south of Russia. A little rain falling later in the north of Scotland and the west of Norway, large quantities at Munich, in Austria, and at Turin.

Temperature changed irregularly. Morning readings highest, 70° at Brindisi and Malta, 69° at Sfax, 68° at Palermo; above 60° at some of the Mediterranean stations, and above 55° in the extreme south-west of our Islands. Lowest, 33° at Helsingfors and Moscow, and 36° at Archangel and St. Petersburg, below 40° over the northern and central parts of Russia generally, as well as in some parts of central England. Rising during day to 60° or a little more over France and the central and southern parts of our Islands, and reaching 77° at Lisbon, 79° in some parts of Italy and Algeria, and 80° at Lagnouat.

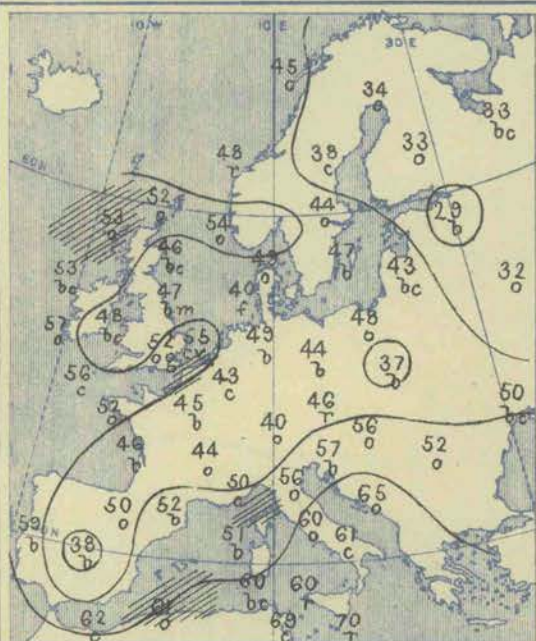
Wind North-Easterly over England, France, Spain, and the whole of central Europe; light or moderate in force generally, but very strong at Trieste; light from the Southward over the southern parts of Italy. Moderate to fresh from the South-Eastward on our west coasts, and from the Southward in the north; light to moderate from the North-Westward or Northward over Sweden and the greater part of Russia. Subsequently increasing to a moderate gale from the South-Westward in the Hebrides, and a strong breeze at Malin Head; circulation over the Mediterranean breaking up. No important change elsewhere.

Barometer highest, 30.5 ins. and upwards over England, the North Sea, Denmark, and the south of Scandinavia, 30.3 ins. and upwards in an anticyclone covering nearly the whole of north-western and northern Europe. Lowest, 29.8 ins. and less (1) in a depression over the north of Russia, and (2) in a complex disturbance lying over the Gulf of Genoa and the northern parts of Italy and the Adriatic. Depressions beginning to appear later off our extreme north-western and northern coasts, and barometer falling rather decidedly in the north of Scotland.

Tuesday, 2nd October.

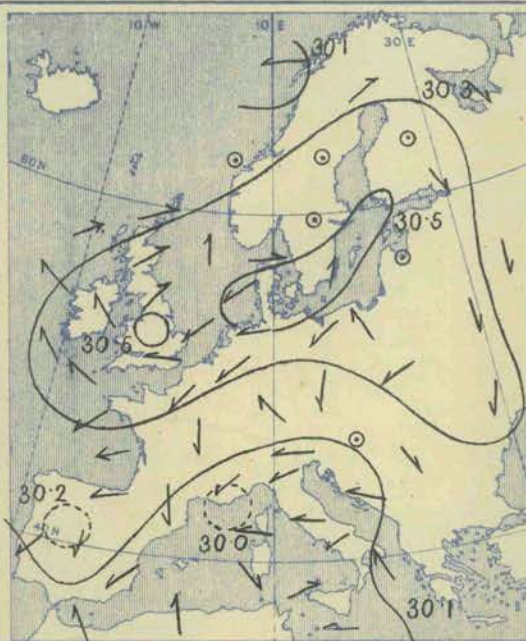
Temperature and Weather.

8 a.m.

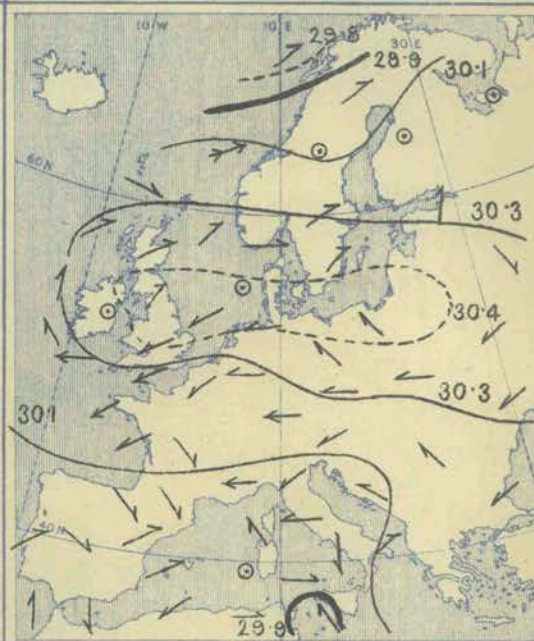


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair generally, except over the northern half of Scandinavia, the Shetland Islands, and the Hebrides; a great deal of cloud prevalent over the northern and north-western countries; fog or haze reported in many parts of our Islands, but sky clear and bright over south-eastern and southern Europe. Considerable rain later at the Scandinavian stations and a little at Sumburgh Head and the Scaw; some fall in the south of France and larger quantities in Corsica and Italy.

Temperature highest, 70° at Malta, and exceeding 60° on the southern and eastern shores of the Mediterranean generally. Lowest, 29° at St. Petersburg, 33° at Moscow, 33° at Archangel and Kuopio, 34° at Uleaborg; 42° at Loughborough, 44° at York. Rising to a little above 60° over some parts of England later, to between 60° and 64° in the east of Scotland and in the south of France, but not exceeding 55° at the German stations, at Brussels, or Paris; not exceeding 77° over Italy or Algeria, but touching 79° at Tunis.

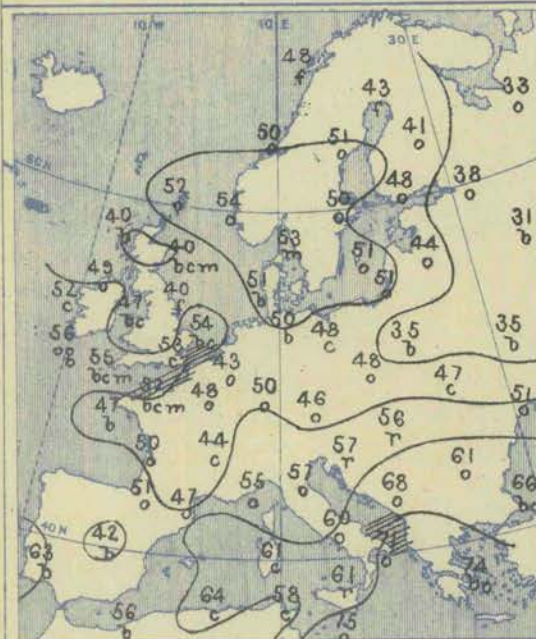
Wind (1) light to moderate from North-East or East over the countries lying to the southward of the Baltic, but very variable over the Mediterranean; (2) South-Easterly to South-Westerly over Ireland and Scotland, nearly calm over Scandinavia and Finland. Blowing strongly from the South-Westward on the Norwegian coasts later, veering a little both over Scotland and Ireland, and freshening from East in the south of France. No great change elsewhere.

Barometer highest, 30.5 ins. and more to 30.3 ins. in a large anticyclone covering nearly all the northern countries. Lowest, below 30.0 ins. over Tunis and in the neighbourhood of Marseilles, and below 30.1 ins. at Bodö. Falling decidedly over Scandinavia later, and slightly over the greater part of south-western Europe, rising in the Hebrides and north-west of Scotland.

Wednesday, 3rd October.

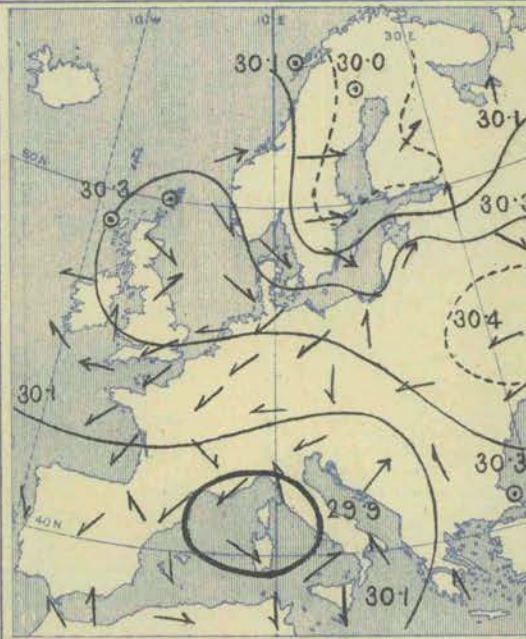
Temperature and Weather.

8 a.m.

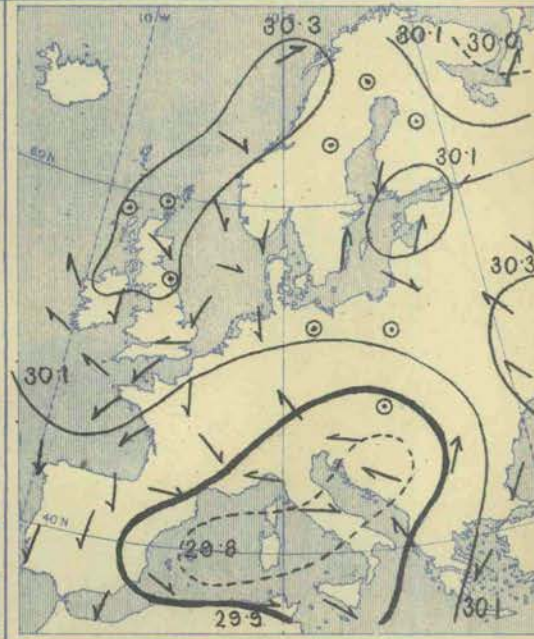


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright in several parts of our Islands and north Germany, the Iberian Peninsula, and the central and southern parts of Russia; extremely variable elsewhere, foggy over Lapland, rainy at Helsingfors, at the Austrian stations, and at Toulon and Bilbao. Further falls of rain later over Sweden and central and southern Europe, and subsequently along the north-east and east coasts of our Islands, but none over our western districts. Falls heavy at Brindisi and Vienna.

Temperature fallen fast in Scotland, risen fast over northern Europe. Morning readings highest, 75° to 70° over Greece, Malta, and at Sfax, and exceeding 60° at several of the Mediterranean and Adriatic stations. Exceeding 50° on the Atlantic coasts of Europe and the British Islands generally, as well as on the shores of the Skager Rack and the western shores of the Baltic. Not reaching 60° later at any of our own stations excepting Valencia, but touching 61° at Biarritz and 64° at Rochefort, 70° and more in several parts of Italy and Spain, and 80° and more over Algeria. Night very sharp over central Ireland.

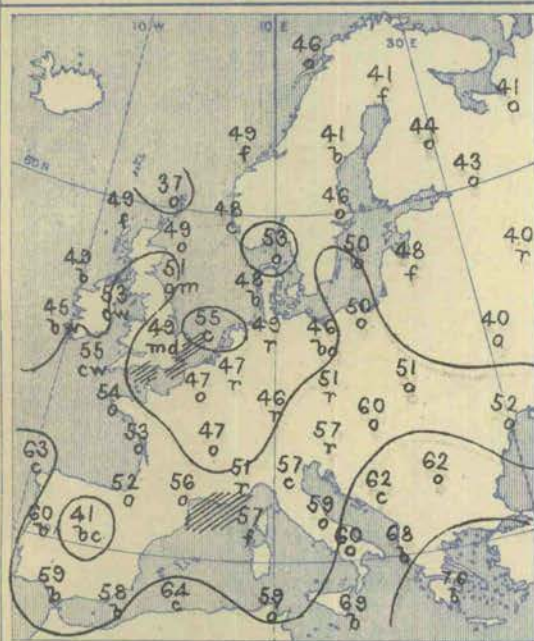
Wind (1) light and variable, but in the main Easterly, over central Europe, North-Easterly, moderate to fresh, over the Channel and Bay of Biscay, South-Easterly over Ireland, calm in Scotland; (2) Westerly to North-Westerly on the eastern shores of the North Sea, but South-Westerly over the Baltic Provinces, and Southerly (very light) over Finland.

Barometer highest, 30.4 ins. and more over the southern half of Russia, and exceeding 30.3 ins. over north Germany, the North Sea, and the greater part of the British Islands. Lowest, (1) 30.0 ins. and less in a large but very complex depression over Lapland and the Gulfs of Bothnia and Finland; (2) below 29.9 ins. in another system over the northern parts of the Mediterranean. Falling over central Europe later, and fall spreading westwards and changing irregularly over central and northern Europe.

Thursday, 4th October.

Temperature and Weather.

8 a.m.

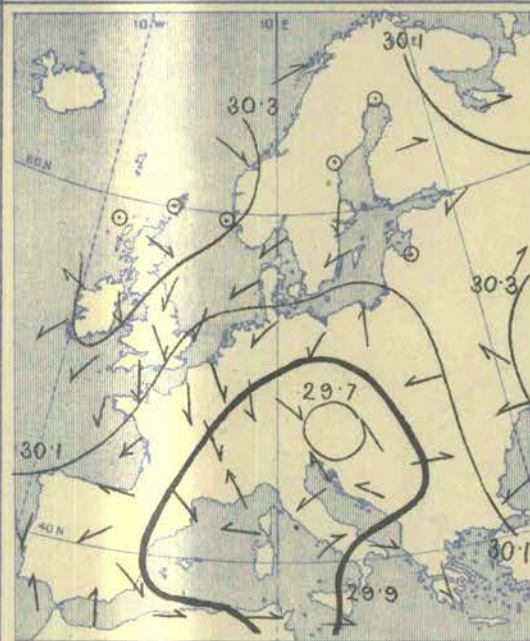


Weather in morning fine and bright over Ireland and the west of England, over several parts of Sweden, the Spanish Peninsula, and south-eastern Europe. Cloudy or overcast elsewhere, foggy at several northern stations. Slight misty showers falling in the east of England, and more decided rain at several of the Continental stations. Rain later over our north-eastern and south-eastern counties, as well as over France, Germany and southern Europe, amount large over northern Italy, Corsica, and Austria-Hungary.

Temperature fallen both over the Baltic and central Ireland. Morning readings highest, 70° at Patras, 72° at Athens, and above 60° at most stations on the southern side of the Mediterranean. Above 50° on the Atlantic and Channel coasts of France and over central Europe. Lowest, (1) 26° at Kharkov, 40° at Odessa, Kiev, and Moscow, 41° at Archangel and Haparanda; (2) 34° at Parsonstown. Falling to reach 60° at the majority of our stations later, but touching 61° along the west coast of France, 64° at Nice, and 70° to 80° over Algeria and the southern parts of Italy.

Barometer and Wind.

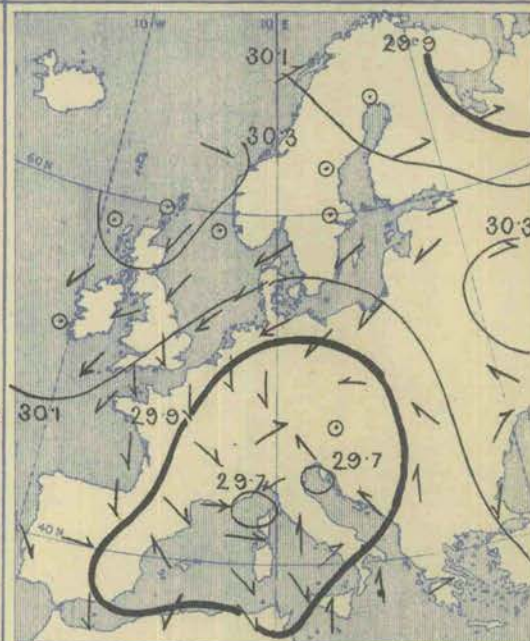
8 a.m.



Wind very light and variable in the extreme north and north-west, North-Easterly, light, over the Baltic, and moderate over the North Sea. Northerly over England and the Bay of Biscay, very variable over southern Europe. Freshening over north Germany, the Channel, and on our south-east coasts later; remaining calm in Scotland and the west of Norway.

Barometer highest, 30.4 ins. and more to 30.3 ins. over the southern parts of Russia, 30.3 ins. and more over Ireland, Scotland, and the west of Norway, and exceeding 30.1 ins. over the north-western countries generally. Lowest, 29.8 ins. to 29.7 ins. and less over Sardinia, the north of Italy and Austria. Falling over central and western Europe later.

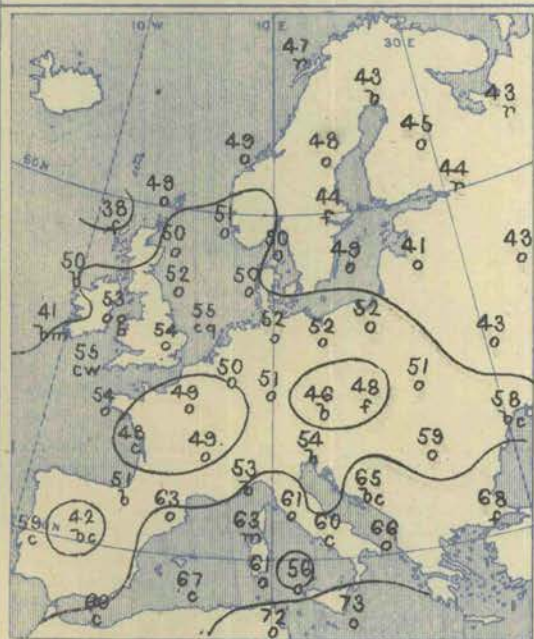
6 p.m.



Friday, 5th October.

Temperature and Weather.

8 a.m.

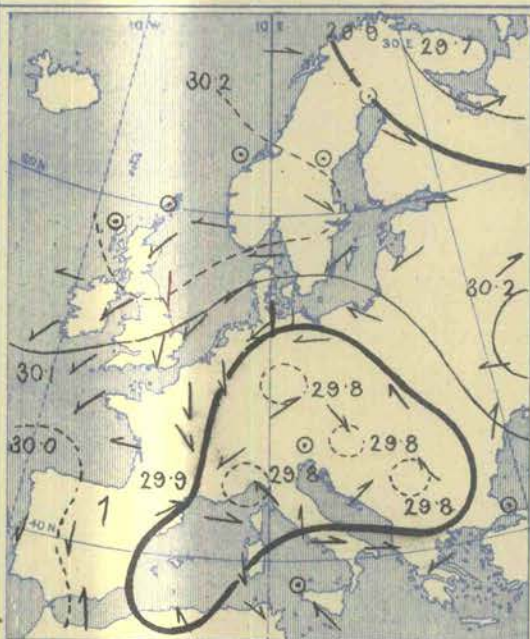


Weather in morning still fine and bright in many parts of Ireland, Spain, and south-eastern Europe, as well as in the north of Sweden, but, as a rule, very dull and gloomy elsewhere, with rain at many stations, fog at others. Slight rain falling during day over Scotland and the north of England, the south-east of England, and the shores of the English Channel, larger quantities over central and southern Europe; amount greatest 0.27 in. at the North Foreland, 0.6 in. at Turin and Vienna.

Temperature rising over Ireland. Morning readings highest, 70° to 73° at the Greek stations, at Malta, and Sfax, and exceeding 60° at most of the Mediterranean stations; exceeding 50° on the French and British coasts generally, and over central Europe. Lowest, (1) 31° at Kharkov, 43° at Kiev, Moscow, Helsingfors, Archangel, and Haparanda; (2) 38° at Stormoway, 41° at Valencia, 43° at Parsonstown. Rising later to 55° and more over the greater part of our Islands, to 63° at Jersey and Brest, and 64° to 67° on the south coast of France, to 70° and more over the south of Italy, and to 80° and more over Algeria. Night mild over England.

Barometer and Wind.

8 a.m.



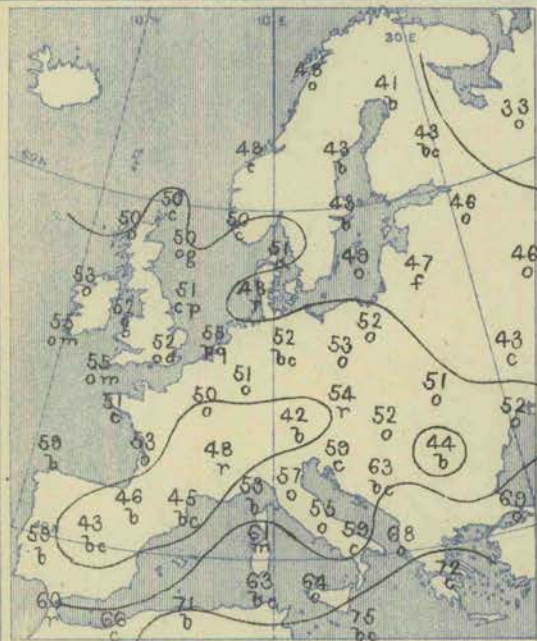
Wind (1) calm over the north of Scotland, the west of Norway, and north of Sweden, and very light and anticyclonic over the southern half of Russia; (2) Westerly over Lapland, Finland, and the north of Russia; and (3) North-Easterly to Easterly over the Baltic, north Germany, the North Sea, England, and the Channel, Northerly over central France; (4) very variable over the central and southern parts of Europe, but cyclonic in most places. No great change later, but blowing somewhat strongly at the Helder and Yarmouth in evening.

Barometer highest, (1) 30.4 ins. to 30.2 ins. in an anticyclone over the southern half of Russia; (2) 30.2 ins. and more in another over Scotland and the southern half of Scandinavia. Lowest, (1) 29.7 ins. and less over the White Sea and the Kola Peninsula; (2) below 29.9 ins. in a very large and complex, but shallow, system covering south-eastern, southern, and central Europe, and below 29.8 ins. in some localities. Falling in the west of our Islands later, rising over the Continent.

Saturday, 6th October.

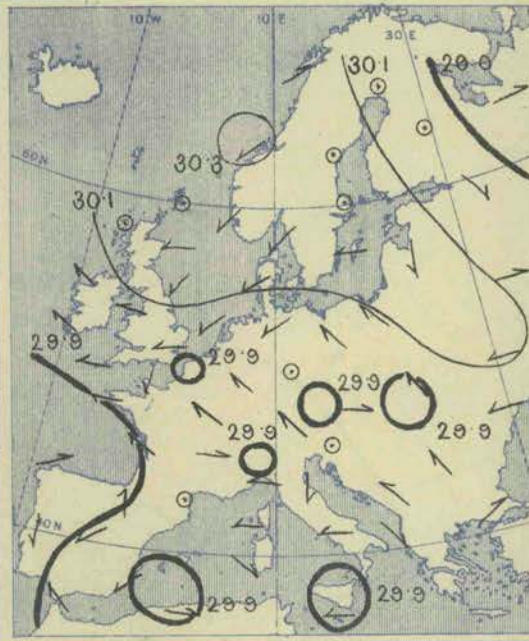
Temperature and Weather.

8 a.m.

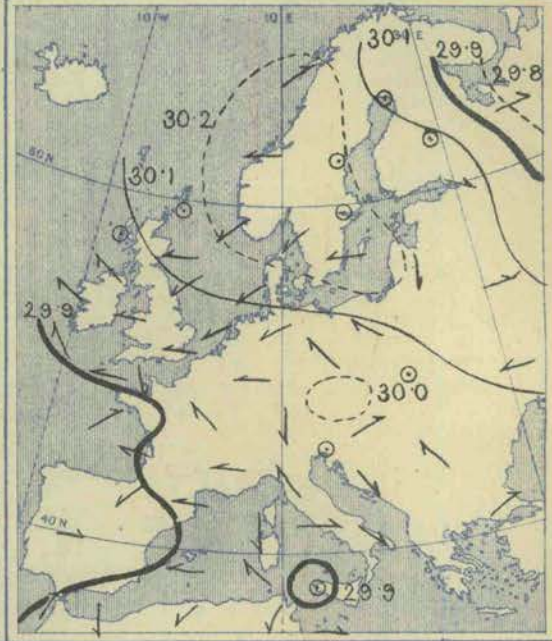


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, the Spanish Peninsula, and the south-west of our Islands, as well as over Sweden and Finland, cloudy or overcast elsewhere, very gloomy in many places, with slight misty rain in many parts of England, rain at Prague and Vienna. Some rain later over the greater part of England, and some parts of Germany, Austria, and Russia; a heavy fall at Palermo. Much mist prevalent over England and the Channel.

Temperature risen over Ireland, fallen over northern Europe. Morning readings highest, 70° and more at Athens, Malta, and Sfax, and exceeding 50° over the central, southern, and western parts of Europe and the British Islands. Lowest, (1) 33° at Archangel, 35° at Uleaborg, 43° at Helsingfors and Stockholm; (2) 42° at Kharkov, 43° at Kiev. Rising later to 61° at Valencia, to 64° at Brest and at Nice, to 70° in some parts of Italy, 77° at Palermo, and to between 80° and 86° over Tunis. Not reaching 60° over the greater part of the British Islands.

Wind extremely light and anticyclonic over northern Europe, North-Easterly to South-Easterly, and light, over the Baltic, Germany, France, and the British Islands; light and very variable over the more southern countries. No decided change later.

Barometer highest, 30.3 ins. to 30.1 ins. in a large anticyclone dominating all the north-western countries and having its centre near Christiansund. Lowest, below 29.0 ins. over the whole of western, central, southern, and south-eastern Europe, and as low as 29.8 ins. in a depression over the Bay of Biscay, and 29.9 ins. or less at Nice, Vienna, and Lemberg. Rising over northern Europe later, no decided change elsewhere.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the first half of this week a large anticyclone covered the British Islands and north-western Europe; so that the weather in those regions was almost entirely free from rain, the winds were light in force and anticyclonic in direction. Over the south of France, however, depressions were found causing rainy, unsettled weather in those regions, and some very slight secondaries brought local showers to our own south-eastern counties.

Gradually, however, the anticyclonic system spread south-eastwards to central Europe and then broke into two; a fresh set of depressions appeared over the northern parts of the Mediterranean and the Riviera, whence they spread northwards to Germany and the Netherlands; rain became prevalent over central Europe and our south-eastern counties, while an independent series of disturbances brought wet weather to the northern and north-eastern parts of Great Britain, but Ireland remained dry.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 236.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	13.3	?	17	?	EASTBOURNE	19.5	?	24	?
OSWALDKIRK (Yorkshire)	14.3	?	18	?	MANCHESTER (Oldham Road)	9.6*	?	12*	?
WORKSOP	5.9	-15.1	7	-20	TENBY	89.3*	?	50*	?
THURCASTON (Leicestershire)	4.0	-16.4	5	-21	NEWQUAY	39.4	?	49	?
MARGATE	12.9	?	25	?	TORQUAY	26.6*	?	32*	?
WESTBOURNE (Sussex)	20.3*	?	33*	?	ARLEY COTTAGE (County Cavan)	25.1	?	32	?
BRIGHTON	21.7	?	27	?	GUERNSEY	17.7*	?	22*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 41.]
Third Series.

WEEK ENDING SATURDAY, OCTOBER 13TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Mean for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The Means with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The Mean Amounts are those for the corresponding periods in the twenty-five years 1866-90, but the Mean numbers of Rainy Days are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The Mean Values employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 242.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	61	37	53.3	46.0	51.0	4 above	Day-deg. 63	Day-deg. +24	Day-deg. 0	Day-deg. - 6	Day-deg. 2017	Day-deg. +325	Day-deg. 497	Day-deg. - 63
	1. SCOTLAND, EAST	66	29	58.1	43.7	50.7	3 above	61	+15	0	- 6	2108	- 59	585	- 4
	2. ENGLAND, N.E.	64	37	58.4	47.2	52.6	4 above	74	+23	0	- 3	2331	+ 35	455	- 61
	3. ENGLAND, EAST	64	40	58.6	43.7	52.5	2 above	74	+13	0	- 5	2723	+ 48	471	-109
	4. MIDLAND COUNTIES	66	36	59.6	47.9	53.6	4 above	81	+29	0	- 7	2636	+ 42	483	- 96
5. ENGLAND, SOUTH	67	41	59.9	48.9	54.2	3 above	85	+22	0	- 4	2981	+ 94	303	-126	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	64	36	58.7	47.7	53.0	4 above	77	+27	0	- 4	2270	+ 39	347	- 75
	7. ENGLAND, N.W.	64	43	59.6	50.1	54.7	4 above	89	+36	0	- 2	2592	+183	302	-124
	8. ENGLAND, S.W.	68	38	61.3	49.7	55.4	4 above	94	+32	0	- 1	2779	+108	236	- 82
	9. IRELAND, NORTH	65	35	59.4	49.0	54.1	5 above	85	+33	0	- 2	2419*	+ 45	335	- 26
	10. IRELAND, SOUTH	67	35	61.1	49.5	55.1	5 above	92	+31	0	- 2	2739	+ 73	217	- 71
	-CHANNEL ISLANDS	67	45	62.6	51.4	56.8	2 above	104	+22	0	0	3281	+251	94	- 18

DISTRICTS. (See p. 242.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	10ths of in. 8	10ths of ins. 4 less	173	-14	Ins. 38.7	+ 2.2	11	-16	15	-21	1044	+115	32	+ 3
	1. SCOTLAND, EAST	4	3	4 less	159	+ 5	27.2	+ 2.8	14	- 8	18	-11	1167	+ 35	34	+ 1
	2. ENGLAND, N.E.	4	4	2 less	162	+20	19.3	- 1.0	10	- 9	13	-13	1186	+ 98	32	+ 2
	3. ENGLAND, EAST	4	3	3 less	157	+18	19.7	- 0.3	9	-16	11	-20	1293	- 55	35	- 1
	4. MIDLAND COUNTIES	4	3	4 less	143	+13	18.7	- 3.6	9	-13	12	-17	1185	- 6	32	0
5. ENGLAND, SOUTH	3	3	4 less	159	+17	22.0	+ 1.0	13	-16	17	-22	1390	- 39	25	- 1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	5	7 less	161	- 1	37.1	- 2.5	7	-13	10	-17	1230	+ 32	32	0
	7. ENGLAND, N.W.	4	6	4 less	159	+11	25.4	- 1.0	9	- 7	11	-10	1129	+ 47	33	+ 1
	8. ENGLAND, S.W.	2	2	8 less	162	+10	28.9	- 1.4	18	- 6	24	- 8	1442	- 12	33	0
	9. IRELAND, NORTH	4	6	2 less	178	+ 3	28.0	+ 0.5	11	- 7	14	- 9	1114	+ 39	30	+ 1
	10. IRELAND, SOUTH	3	2	6 less	162	+ 3	29.7	0.0	13	-10	17	-13	1194	- 83	32	- 2
	-CHANNEL ISLANDS	1	less than ½	9 less	166	+ 5	26.5	+ 2.1	37	+12	48	+15	1577	- 85	43	- 2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather. during this week was very dull over our Islands generally, with a good deal of wet mist and fog. A little rain fell at nearly all stations during the middle part of the period, and again in the north and east towards its close. A thunderstorm was experienced, locally, at Wisbech, on the 7th, and heavy rain fell on the same day at Strathfield Turgiss.

Temperature exceeded the mean in all districts, the excess varying from 2° in England E. and the Channel Islands, to 4° in Scotland N. and W. and many parts of England, and to 5° in Ireland. The highest of the maxima were recorded on rather variable dates, and ranged from 68° in England S.W. and 67° in England S., Ireland S., and the Channel Islands to 61° in Scotland N. The lowest readings occurred, as a rule, towards the latter part of the week, when the thermometer fell to 29° in Scotland E., to 35° in Ireland, and to 36° in Scotland W., England S.W., and the Midland Counties. Elsewhere the minima ranged from 37° in Scotland N. and England N.E. to 4° in England N.W., and to 45° in the Channel Islands.

Rainfall was less than the mean in all districts, the deficit being considerable.

Bright Sunshine was in excess in the Channel Islands, but in all other districts there was a marked deficiency. The percentage of the possible duration ranged from 10 in Scotland W. and 11 in England E. and N.W., to 24 in England S.W., while in the Channel Islands the percentage was as high as 48.

Barometer and Wind.—The distribution of pressure during this period was mostly anticyclonic, and the winds light from the Eastward in the south, and light or moderate from the South-Westward or Southward in the west and north. During the 9th and 10th, however, some shallow depressions passed eastwards across our northern districts, causing the South-Westerly wind to spread to all our coasts. By the end of the week a shallow disturbance (subsidiary to a large depression moving southwards over Scandinavia) was travelling across Scotland from the north-westward; in the rear of this there was apparently a new anticyclone advancing towards us.

II.—DATA from which the SUMMARY on page 241 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.	
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.								
Inches. Inches.																	
0. SCOTLAND, N.	Sumburgh Head	56	46	54.1	47.7	50.8	+ 4.1	62	0	4	0.79	-0.15	*	*	*	*	
	Stornoway	56	37	54.7	45.0	49.7	+ 2.9	54	0	5	0.80	-0.30	4.9	-15.9	7	-21	
	Wick	58	43	56.4	47.3	51.7	+ 4.4	68	0	2	0.36	-0.31	*	*	*	*	
	Laing	59	40	56.8	44.4	50.4	+ 4.2	59	0	4	1.60	-0.31	*	*	*	*	
	Glencarron	59	40	56.8	44.4	50.4	+ 4.2	59	0	4	1.60	-0.31	*	*	*	*	
	Fort Augustus	61	38	58.6	44.6	51.4	+ 3.9	66	0	5	0.51	-0.44	14.2	?	19	?	
1. SCOTLAND, E.	Fort William	59	41	57.0	47.1	51.9	+ 3.4	69	0	5	0.79	-0.97	13.4	?	18	?	
	Nairn	61	35	58.6	40.7	49.5	+ 1.7	58	4	5	0.27	-0.29	*	*	*	*	
	Aberdeen	59	42	56.9	47.9	52.3	+ 4.2	72	0	4	0.38	-0.27	13.5	- 8.1	13	-11	
	Braemar	59	29	54.7	39.8	47.0	+ 2.4	44	6	2	0.08	-0.81	13.7	?	18	?	
	Ochertyre	65	16	59.3	43.7	51.3	+ 4.1	65	0	4	0.30	-0.62	*	*	*	*	
	Leith	66	40	62.7	45.1	52.7	+ 3.1	75	0	3	0.52	+0.09	*	*	*	*	
2. ENGLAND, N.E.	Marchmont	62	40	58.6	45.0	51.6	+ 4.0	67	0	3	0.34	-0.38	14.8	?	20	?	
	Alnwick Castle	62	40	57.3	45.1	51.0	+ 3.8	63	0	5	0.72	+0.09	*	*	*	*	
	Durham	64	37	59.0	46.2	52.4	+ 4.1	73	0	4	0.47	-0.20	8.7	-10.6	12	-14	
	Shields	64	43	59.0	46.6	52.6	+ 3.7	74	0	3	0.50	-0.09	*	*	*	*	
	Scarborough	60	45	58.4	47.0	52.5	+ 2.6	74	0	5	0.31	-0.38	*	*	*	*	
	York	63	46	54.1	47.7	51.2	+ 3.8	78	0	5	0.34	-0.25	10.2	- 9.1	13	-12	
3. ENGLAND, E.	Spurn Head	60	49	57.4	50.3	53.8	+ 2.8	63	0	3	0.24	-0.27	*	*	*	*	
	Hillington	63	44	59.2	46.2	52.5	+ 2.7	74	0	4	0.27	-0.32	12.1	-10.4	16	-13	
	Yarmouth	59	45	57.7	48.7	53.1	+ 2.3	78	0	4	0.16	-0.50	*	*	*	*	
	Geldeston	64	41	60.2	45.6	52.7	+ 1.9	75	0	7	0.31	-0.29	10.5	-16.3	14	-21	
	Cambridge	62	40	58.7	46.9	52.6	+ 2.3	74	0	3	0.26	-0.24	4.8	-20.3	6	-27	
	Rothamsted	61	40	57.3	46.1	51.5	+ 2.2	67	0	4	0.46	-0.23	6.9	?	9	?	
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	64	42	59.7	46.3	52.8	+ 3.5	76	0	4	0.39	-0.25	*	*	*	*	
	Loughborough	66	44	62.0	48.3	55.0	+ 5.4	91	0	3	0.19	-0.45	*	*	*	*	
	Stamford (Ketton Hall)	64	43	59.9	47.9	53.7	+ 4.0	82	0	5	0.23	-0.42	*	*	*	*	
	Cheadle	59	45	57.4	49.1	53.1	+ 5.2	78	0	3	0.43	-0.35	*	*	*	*	
	Churchstoke	65	36	60.0	47.5	53.6	+ 5.1	81	0	2	0.17	-0.58	10.0	-11.8	13	-16	
	Hereford	66	41	60.5	49.1	54.6	+ 5.0	88	0	5	0.13	-0.51	*	*	*	*	
5. ENGLAND, S.	Cirencester	63	41	59.0	47.9	53.3	+ 4.5	79	0	3	0.36	-0.24	11.4	-11.1	15	-15	
	Oxford	63	41	58.0	47.0	52.3	+ 2.1	72	0	5	0.31	-0.24	8.8	-14.3	12	-20	
	London	63	43	58.1	48.7	53.3	+ 2.0	79	0	4	0.34	-0.26	2.5	-16.5	3	-22	
	North Foreland	60	48	58.3	50.6	54.3	+ 2.0	86	0	3	0.36	?	*	*	*	*	
	Strathfield Turgiss	64	42	59.7	48.3	53.8	+ 3.8	83	0	5	0.90	+0.35	*	*	*	*	
	Dungeness	67	42	60.9	48.3	54.4	+ 1.7	87	0	3	0.39	-0.33	*	*	*	*	
6. SCOTLAND, W.	Hastings (St. Leonards)	64	45	59.4	50.3	54.7	+ 2.0	80	0	2	0.15	-0.63	9.9	-19.5	13	-26	
	Southampton	67	42	61.8	48.2	54.3	+ 3.0	90	0	3	0.10	-0.65	13.0	-13.8	17	-18	
	Hurst Castle	64	44	61.3	48.4	54.7	+ 2.0	83	0	1	0.02	-0.72	*	*	*	*	
	Stowell	64	41	59.5	48.1	53.6	+ 3.9	81	0	3	0.07	?	*	*	*	*	
	Laudale (Loch Sunart)	61	46	58.8	49.0	53.8	+ 5.4	83	0	4	0.76	-1.01	*	*	*	*	
	Glasgow	61	39	57.8	46.9	52.2	+ 4.2	71	0	5	0.39	-0.44	9.4	- 6.4	13	- 9	
7. ENGLAND, N.W.	Arrossan	64	43	58.9	49.3	54.0	+ 4.3	84	0	4	0.36	-0.36	*	*	*	*	
	Glenlee	62	36	59.7	45.0	52.1	+ 4.6	71	0	3	0.56	-0.72	*	*	*	*	
	Douglas (Isle of Man)	62	43	58.3	48.1	53.1	+ 3.4	78	0	1	0.40	-0.54	4.8	-19.2	6	-20	
	Stonyhurst	60	43	57.4	49.4	53.3	+ 4.4	79	0	4	0.62	-0.58	8.6	-11.4	11	-15	
	Blackpool	64	44	61.0	48.2	54.4	+ 4.7	87	0	2	0.65	-0.28	10.8	- 9.2	14	-13	
	Manchester (Prestwich)	62	44	58.9	49.2	53.9	+ 4.7	83	0	5	0.47	-0.43	3.2	?	4	?	
8. ENGLAND, S.W.	Liverpool Obsy. (Bidston)	63	44	59.6	50.1	54.7	+ 4.3	89	0	4	0.65	-0.17	*	*	*	*	
	Llandudno	63	47	60.6	51.7	56.0	+ 4.3	98	0	4	0.34	-0.51	17.7	- 0.3	23	- 1	
	Holyhead	62	47	60.1	51.9	55.9	+ 3.9	97	0	3	0.76	-0.16	*	*	*	*	
	Llandovery	67	36	64.0	47.1	55.3	+ 5.2	93	0	3	0.61	-0.59	*	*	*	*	
	Pembroke	59	50	58.0	53.3	55.6	+ 3.3	95	0	1	0.05	-0.66	9.4	-14.6	12	-20	
	Bristol (Montpelier)	64	45	60.6	50.7	55.5	+ 5.7	95	0	3	0.20	-0.62	*	*	*	*	
9. IRELAND, N.	Arlington (N. Devon)	62	40	61.1	47.4	53.6	+ 3.2	81	0	6	0.41	-0.84	*	*	*	*	
	Cullompton	63	43	63.6	49.6	56.4	+ 5.8	101	0	3	0.07	-0.83	15.4	- 7.0	20	-10	
	Falmouth	64	43	61.1	50.6	55.7	+ 2.9	96	0	0	—	-1.24	28.0	+ 1.5	37	+ 2	
	Plymouth	63	43	61.9	49.4	55.5	+ 3.1	95	0	2	0.22	-0.88	23.4	- 1.3	31	- 3	
	Prawle Point	63	46	61.4	49.6	55.3	+ 2.7	93	0	0	—	-0.80	*	*	*	*	
	Malin Head	59	49	57.1	50.9	53.9	+ 5.2	83	0	4	0.42	?	*	*	*	*	
10. IRELAND, S.	Londonderry	64	44	59.3	49.5	54.3	+ 5.0	86	0	4	0.49	-0.45	*	*	*	*	
	Edenfel (Omagh)	63	45	59.7	49.0	54.2	+ 6.4	85	0	5	0.56	-0.28	*	*	*	*	
	Behnullet	63	45	59.9	50.4	55.0	+ 3.1	91	0	6	0.81	?	*	*	*	*	
	Markree Castle	65	35	61.5	45.4	53.2	+ 4.5	79	0	3	0.61	-0.23	17.4	- 2.3	23	- 3	
	Brookeborough	65	45	59.4	48.8	53.9	+ 6.3	83	0	2	0.79	-0.12	*	*	*	*	
	Armagh	61	47	59.4	49.3	54.4	+ 6.1	87	0	5	0.53	-0.15	7.4	11.6	10	-15	
CHANNEL ISLANDS	Donaghadee	63	46	58.9	49.9	54.3	+ 4.6	86	0	3	0.59	-0.10	*	*	*	*	
	Edgeworthstown	63	42	59.8	47.6	53.3	+ 5.2	79	0	3	0.38	-0.32	*	*	*	*	
	Dublin	61	41	59.7	48.8	54.1	+ 3.4	85	0	5	0.21	-0.44	11.8	-12.1	16	-16	
	Parsonstown	65	35	61.4	44.9	52.9	+ 4.1	76	0	2	0.32	-0.28	17.0	- 4.9	22	- 6	
	Kilkenny	63	36	60.9	48.1	54.3	+ 4.5	86	0	3	0.24	-0.41	*	*	*	*	
	Roche's Point	64	45	60.6	52.7	53.5	+ 4.6	102	0	3	0.17	-0.73	*	*	*	*	
CHANNEL ISLANDS	Valencia	62	41	60.9	51.6	56.1	+ 3.4	99	0	5	0.35	-0.91	10.0	-12.5	13	-18	
	Killarney	67	42	62.8	50.3	56.4	+ 5.6	101	0	4	0.19	?	*	*	*	*	
	Foynes	66	43	61.1	50.2	55.5	+ 5.8	95	0	2	0.20	?	*	*	*	*	
	Scilly (St. Mary's)	64	51	61.0	53.7	57.2	+ 2.9	106	0	1	0.01	-0.82	29.7	?	39	?	
	Jersey	67	45	64.1	49.0	56.3	+ 1.4	100	0	1	0.02	-0.94	42.2	+12.4	55	+15	

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 7th October.

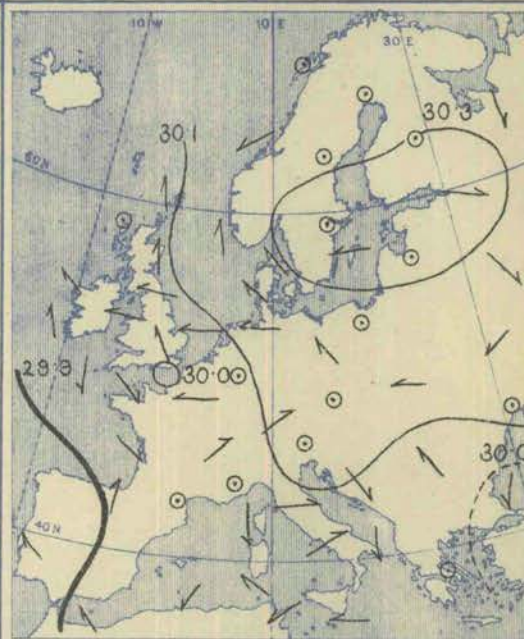
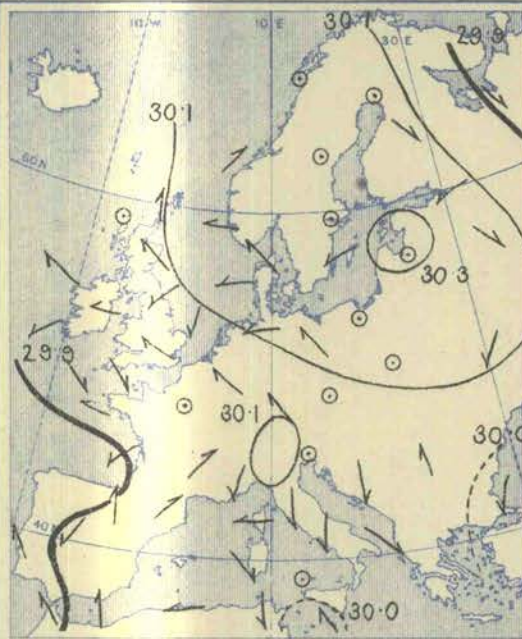
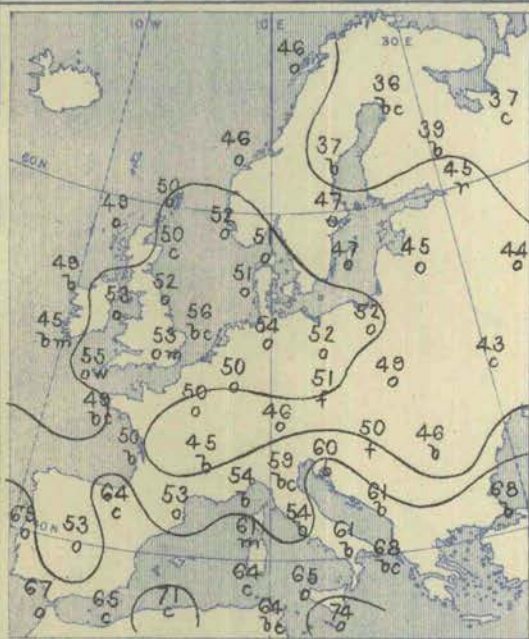
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine in the western and southern parts of Ireland and France, in Italy, and also in the northern parts of Sweden and Russia. Cloudy or overcast elsewhere, with fog or mist and slight rain in many parts of Great Britain, as well as at some of the Russian, German, and Austrian stations. No important change occurring over western Europe during day, but heavy rain falling at Lisbon. Thunderstorms occurring at some of the German stations, and lightning seen at Loughborough at night.

Temperature fallen in Finland and the north of Scandinavia, but changed little and irregularly elsewhere. Morning readings highest, 74° at Malta and Sfax, 71° at Algiers, and 69° at Palma; above 60° at the Mediterranean stations generally, and also on the coasts of the Spanish Peninsula. Lowest, (1) 36° at Uleaborg, 37° at Archangel and Hernosand, and 38° at Helsingfors; (2) 36° at Parsonstown and 45° at Valencia (Ireland). Daily maxima over our Islands a little above 60° at several of the western and central stations, and as high as 66° at Loughborough. Thermometer exceeding 65° also in the west and south of France, and exceeding 70° in Spain and Italy.

Wind light from the Eastward over the greater part of western and central Europe, but Northerly at some of the English Channel stations, and calm in the north of Scotland. Calm in Sweden, light from the Westward or North-Westward over northern and central Russia; calm or variable in Austria, Northerly in Italy. No important change occurring during day.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying over Scandinavia, Finland, and the Baltic Provinces. Lowest, 29.3 ins. and less in a shallow depression off the Portuguese coasts. Very little change occurring during day, but barometer showing a tendency to rise over the southern parts of our area and to fall in the north.

Monday, 8th October.

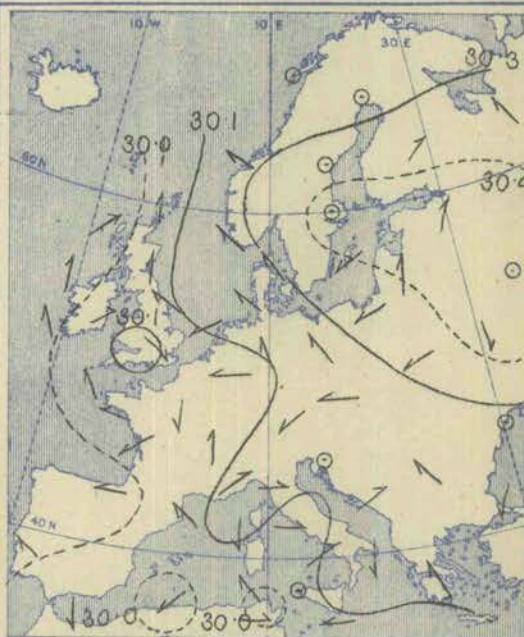
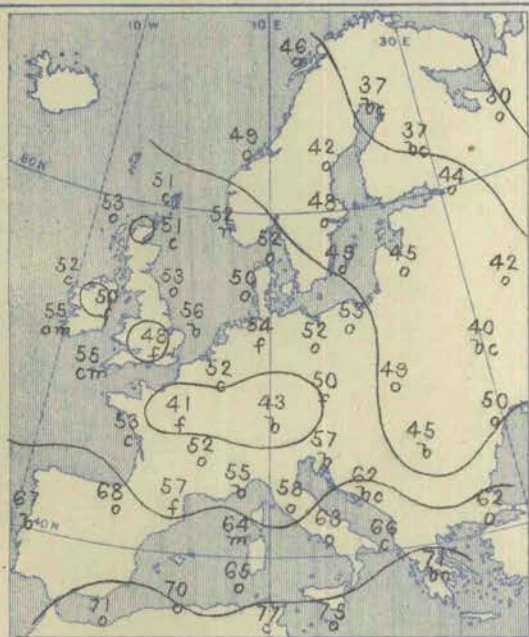
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning cloudy or dull over Europe generally, with fog or mist in many parts of the United Kingdom, France, Holland, Germany, and Austria. Fine and bright in Finland, as well as over the extreme south of France and the northern parts of Italy and the Adriatic. Fog clearing later at many of the English coast stations, but continuing all day in London. Slight rain falling in a few isolated parts of our western and northern districts; thunderstorms occurring at some of the German stations; lightning seen at Aberdeen at night.

Temperature fallen over England and the north of France, risen in most other localities. Morning readings highest, 77° at Sfax, 75° at Malta, and 71° at Corunna, Oran, and Athens; above 60° at most of the Mediterranean and Spanish coast stations. Lowest, (1) 30° at Archangel, 35° at Kharkov, and 37° at Haparanda and Uleaborg; (2) 41° at Paris and 43° at Munich; (3) 43° at Oxford and 47° at Cambridge. Daily maxima below 60° in most parts of our Islands, and as low as 52° in London and at Oxford, but thermometer reaching 64° at Loughborough. Exceeding 70° over southern Europe generally, and reaching 81° at Biarritz and 82° at Palermo.

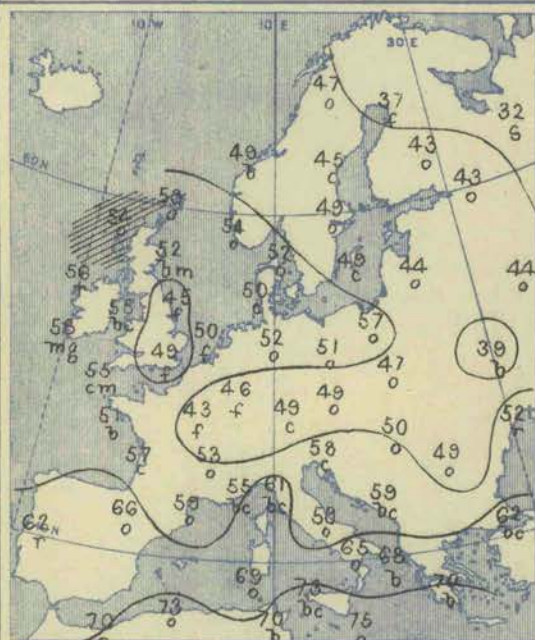
Wind calm or light from East over the greater part of England, France, and the Netherlands; South-Easterly in Ireland, Southerly or South-Westerly in Scotland. Light from the Eastward or South-Eastward over Norway, Denmark, and Germany; calm or variable over Sweden, Russia, and Austria; Northerly or North-Westerly over the central and southern parts of Italy. Subsequently veering to the Southward in Ireland, and freshening from South-West in the Hebrides; no important change taking place elsewhere.

Barometer highest, 30.3 ins. and upwards over Russia, the Baltic, and the south of Sweden, 30.1 ins. and upwards in an anticyclone covering the greater part of the Continent, as well as in a small detached area over central and northern England. Lowest, 29.9 ins. and less in a shallow depression over the Spanish Peninsula; 30.0 ins. and less on the west coasts of Ireland and Scotland. Slight fall taking place in the west and north of our Islands during day, and depressions beginning to skirt our extreme western coasts.

Tuesday, 9th October.

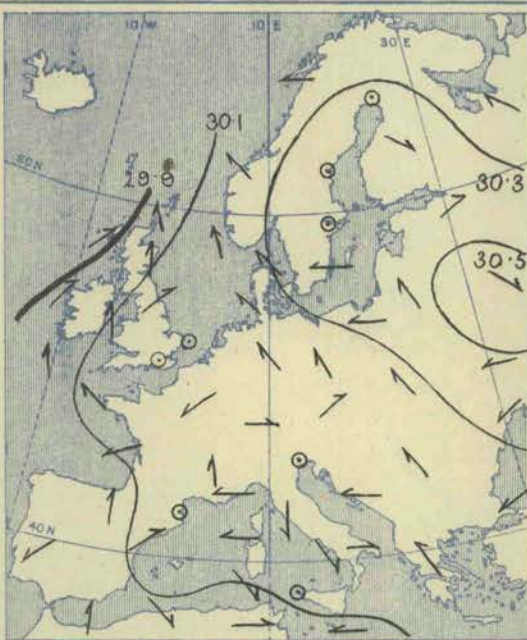
Temperature and Weather.

8 a.m.

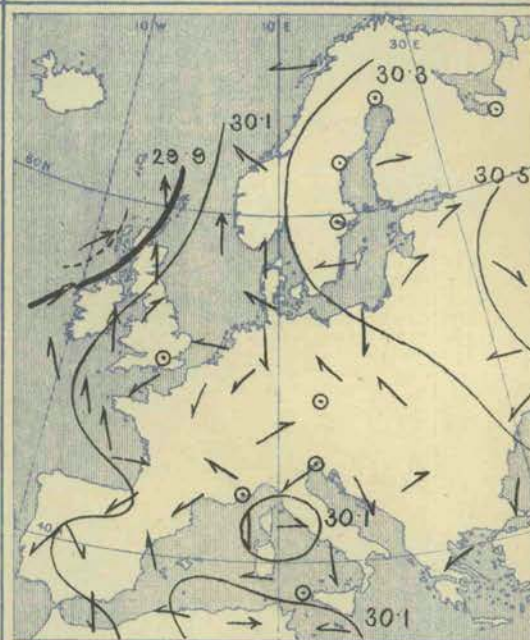


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very foggy over England, the Netherlands, and the north-east of France; fine in the eastern parts of Ireland and Scotland, but dull in the west of those countries, with rain at Belmullet. Fine in the west and south of France, as well as at many of the Italian stations, but dull in nearly all other parts of the Continent, with fog in isolated places, rain at Hango and Odessa, and snow at Archangel. Rain setting in later over Ireland and Scotland, and spreading quickly at night to all but the extreme southern parts of the United Kingdom. Lunar halo seen at Jersey and Brest. Thunderstorm occurring at Friedrichshafen. Temperature fallen in Ireland, France, and Germany, but risen in most other countries. Morning readings highest, 75° at Malta, 74° at Sfax, and 73° at Algiers and Palermo; above 60° over southern Europe generally, and as high as 58° on the south coast of Ireland. Lowest, (1) 32° at Archangel, and 37° at Haparanda and Kharkov; (2) 43° at Paris, and 46° at Münster and Wiesbaden; (3) 45° at Shields, Oxford, and Hurst Castle. Daily maxima below 60° in all but the south-western parts of our Islands, and below 55° in the south-east of England. Thermometer exceeding 70° over southern Europe, and reaching 84° at Palermo.

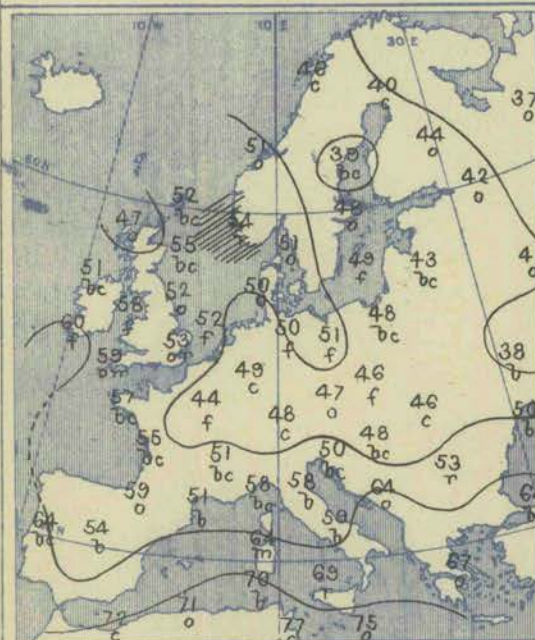
Wind light to moderate from the Southward in the west and north of our Islands generally, but strong from South-West in the Hebrides; calm in the south-east of England; light from the Northward or North-Eastward at the Channel stations, and from the Eastward in the west and south of France. Calm in Sweden and also in Austria, South-Easterly in Norway, Denmark, and Germany, variable in Russia; Northerly or North-Westerly over the central and southern parts of Italy. Freshening later from the Southward on many parts of our western coasts, and increasing to a moderate gale at Stornoway; no material change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over central Russia; 30.1 ins. and upwards in an anticyclone covering nearly the whole of the Continental countries and extending westwards over England. Lowest, 29.9 ins. and less in a depression lying off our extreme north-west coasts. Depression subsequently moving slowly northwards, barometer falling at our northern stations, but rising slightly in the south.

Wednesday, 10th October.

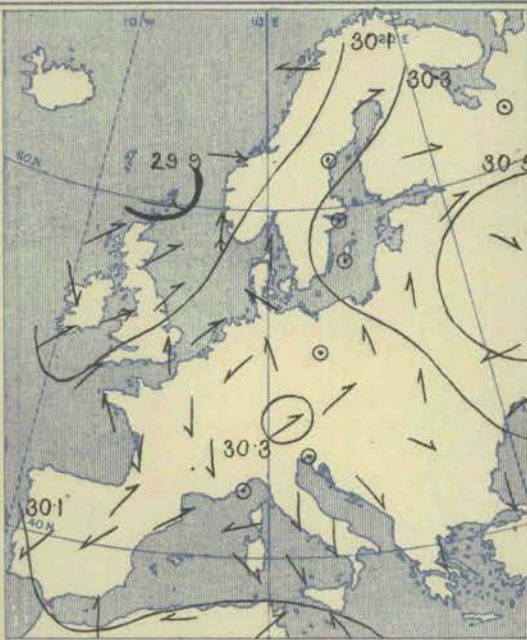
Temperature and Weather.

8 a.m.

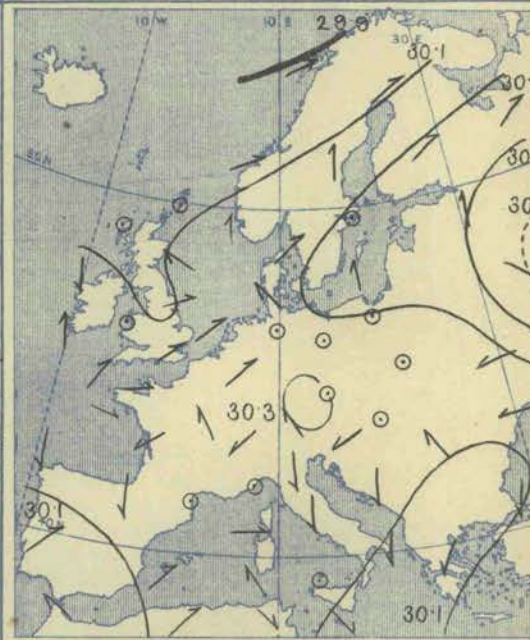


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the northern parts of Ireland and Scotland, but cloudy in all other parts of our Islands, with rain over England. Fog reported at some of our western stations, as well as in the extreme south-east of England, the north of France, the Netherlands, and many parts of Germany. Fine in the west of France and southern Europe generally, but rainy at Palermo. Cloudy at most of the Russian and Scandinavian stations, with rain at Skudenesnaes. Sky clearing later in all the more western parts of our Islands, but rain continuing in the south-east of England. Solar halo seen at Jersey and a lunar halo at Belmullet.

Temperature risen in our Islands, but fallen at most of the Continental stations. Morning readings highest, 77° at Sfax, 75° at Malta, and 72° at Oran; above 60° on the Mediterranean and Spanish coasts generally, and just touching that point on the south coast of Ireland. Lowest, (1) 32° at Kharkov, 37° at Archangel, 38° at Kiev, and 40° at Haparanda; (2) 44° at Paris. Rising during day to 60° or more at several of our own western, northern, and southern stations, and reaching 66° at Leith and 67° at Jersey. Exceeding 70° in most parts of southern Europe, and reaching 84° at Oporto.

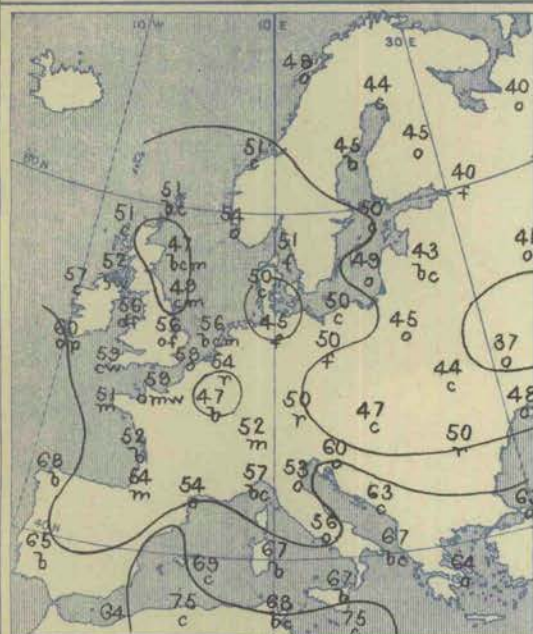
Wind light to moderate from the South-Westward over the greater part of our Islands, but North-Westerly in the north of Ireland and west of Scotland. South-Easterly or Southerly on the eastern shores of the North Sea, with a gale at Skudenesnaes. Light from the Northward over Italy and the central parts of France, and from the North-Eastward in Spain. Calm in Sweden; light from the Westward in the north of Russia; but from the Eastward in the south of that country; variable in Austria. Subsequently becoming calm or variable in all the more western and northern parts of our Islands.

Barometer highest, 30.5 ins. and upwards over central Russia; 30.2 ins. and upwards in an anticyclone covering nearly the whole of the Continent. Lowest, 29.9 ins. and less in a shallow depression to the northward of Scotland; small secondary disturbances passing eastwards over Ireland and England. Depressions subsequently passing away northwards or eastwards, and barometer rising in all parts of the United Kingdom.

Thursday, 11th October.

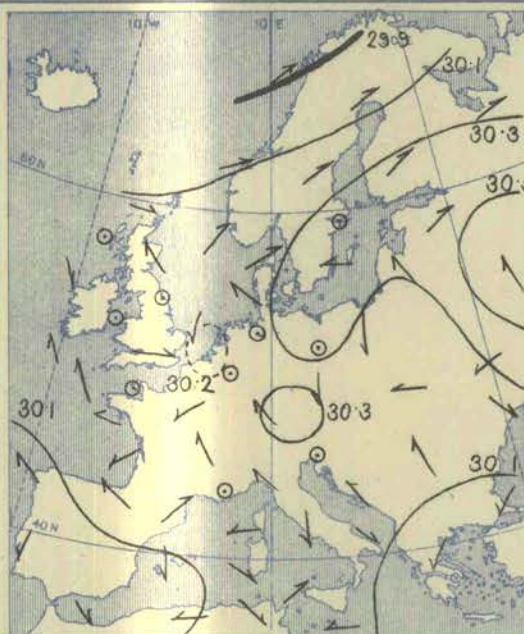
Temperature and Weather.

8 a.m.

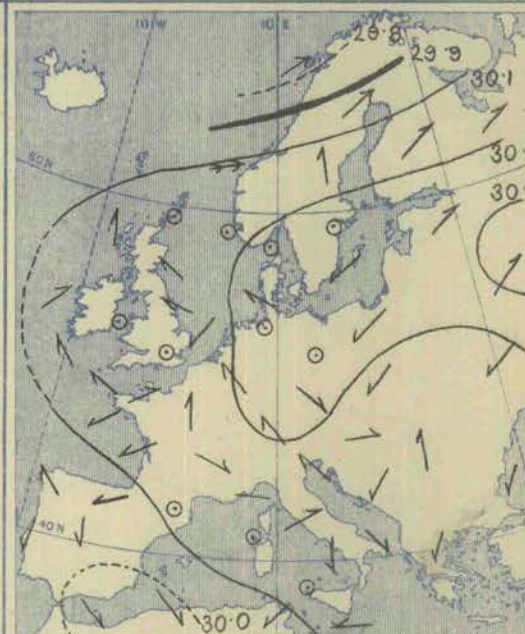


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine on the east coasts of Great Britain and in the north of Ireland; dull in all other parts of our Islands, with fog or mist in many places, and with rain at Valencia and the North Foreland. Cloudy or overcast in all the more northern and central parts of the Continent, with local fogs and with rain at Brussels, Wiesbaden, Munich, and Hermannstadt; fine in France, Spain, and the south of Italy. Slight rain falling later in the west of our Islands, and large amounts in the west of Norway; lunar halos seen in the north of Scotland and an aurora at Wick. Thunderstorm occurring at Algiers at night.

Temperature fallen in the northern parts of Great Britain, as well as over France and southern Europe generally, but risen in most other regions. Morning readings highest, 75° at Algiers and Malta, 73° at Oran, and 72° at Oporto and Sfax; above 65° at most of the Mediterranean stations; above 55° in all the more southern parts of the United Kingdom. Lowest, 33° at Kharkov, 37° at Kiev, and 40° at Archangel and St. Petersburg. Rising during day to between 60° and 64° in many parts of the United Kingdom, to between 70° and 75° over southern Europe generally, to 79° at Palermo, and to 82° at Cape Béarn.

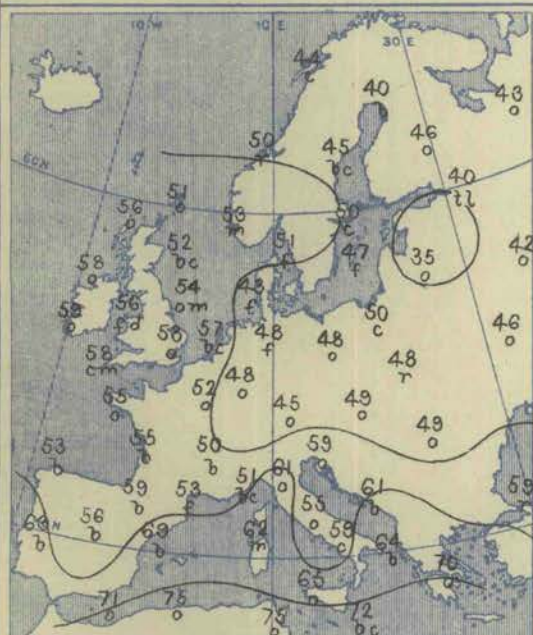
Wind calm or very variable over our Islands and the greater part of central and southern Europe. Light to moderate from the South-Westward over Scandinavia and northern Russia. Light from the Eastward over the Spanish Peninsula and the west of France, and from the North-Eastward in the south of Russia. Light Southerly or South-Easterly breezes springing up later in all the more western and northern parts of the United Kingdom, but calm or variable airs continuing in the south-east. South-Westerly gale at Christiansund in evening.

Barometer highest, 30.5 ins. and upwards over central Russia; 30.1 ins. and upwards in an anticyclone embracing all but the extreme northern, north-eastern, and south-eastern parts of Europe. Lowest, 29.9 ins. and less in a depression off the north-west of Norway. Slight fall taking place during day over Spain, France, and the extreme west and south-west of our Islands, barometer rising in most other localities.

Friday, 12th October.

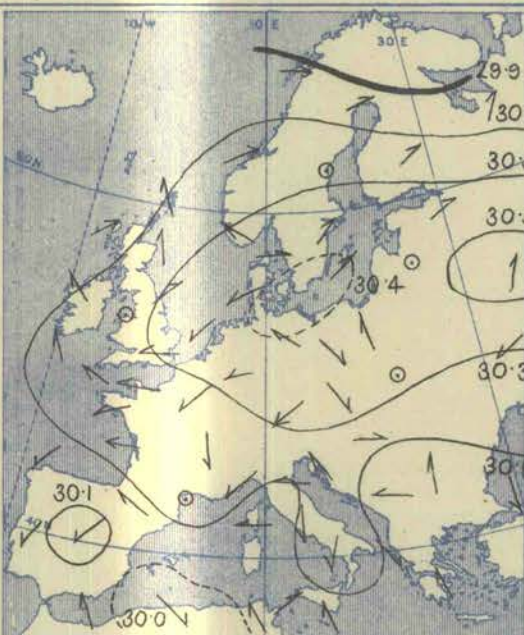
Temperature and Weather.

8 a.m.

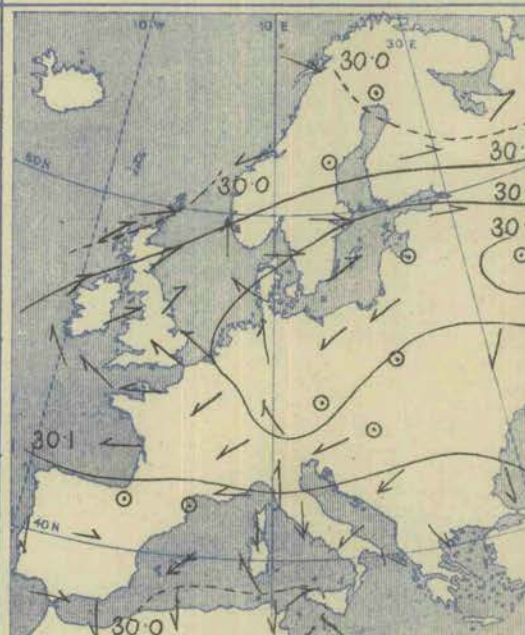


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning foggy or misty over England, dull in Ireland and the west and north of Scotland. Fine over the Spanish Peninsula and the southern parts of France and Italy, as well as in the north of Sweden, cloudy or overcast in most other parts of the Continent, with fog in Denmark, rain at Christiansund and Buda-Pesth, and a thunderstorm at St. Petersburg. Weather clearing later over England, but rain falling in Scotland, with thunder and lightning at Wick. Lunar halos seen at Aberdeen and the North Foreland.

Temperature changing very irregularly. Morning readings highest, 75° at Algiers and Sfax, 72° at Malta, 71° at Oran, and 70° at Patras; above 60° at the Mediterranean stations generally, and ranging between 55° and 59° on our own western and southern coasts. Lowest, 32° at Riga, 39° at Kharkov, 40° at Haparanda and St. Petersburg, 41° at Memel, and 42° at Moscow. Rising during day to 60° and upwards in many parts of the United Kingdom, the highest readings of all being 66° at Jersey and 65° at Leith, Loughborough, and Parsonstown. Exceeding 70° in the west of France and over southern Europe generally, the highest reading of all being 82° at Cape Béarn.

Wind light from the Eastward or North-Eastward over England, the Netherlands, France, and Spain; light to fresh from the Southward in Ireland and Scotland; strong from the Westward in the west of Norway, South-Westerly over Sweden and northern Russia. Variable in Denmark, Northerly or North-Westerly over eastern Germany, Easterly in the south of Russia; variable in Austria and Italy. Subsequently veering to the South-Westward in Scotland; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over central Russia; 30.1 ins. and upwards in an anticyclone embracing all but the extreme northern and north-western parts of Europe. Lowest, 29.9 ins. and less over Lapland, 30.0 ins. and less in a shallow depression over Algeria and the neighbouring parts of the Mediterranean. Large but shallow disturbance moving later in a north-easterly direction past our extreme north-western and northern coasts; barometer falling rather decidedly in the extreme north.

Saturday, 13th October.

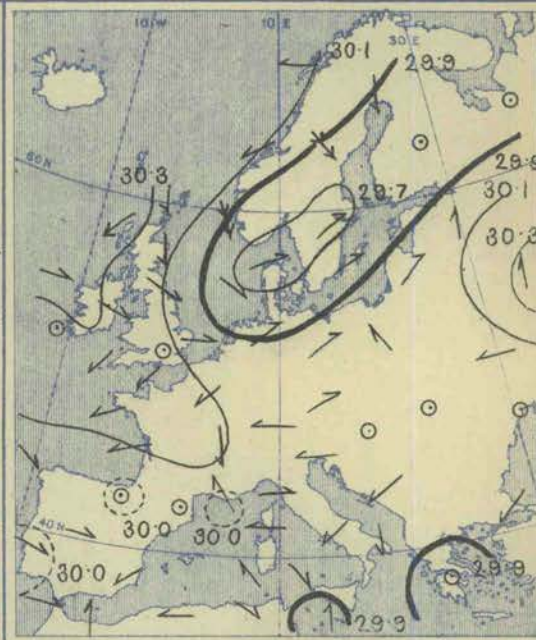
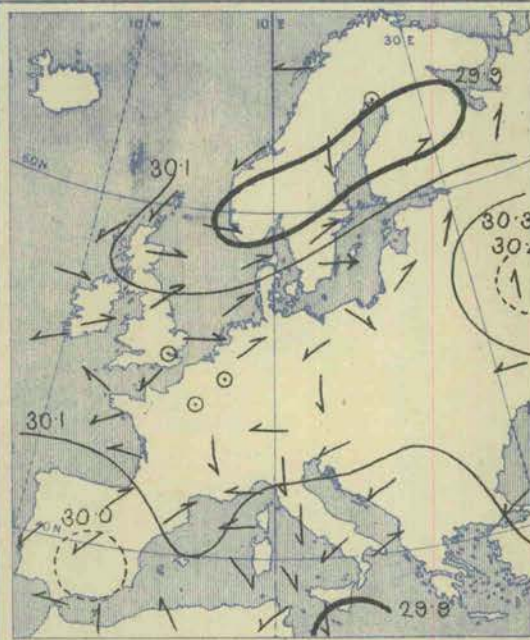
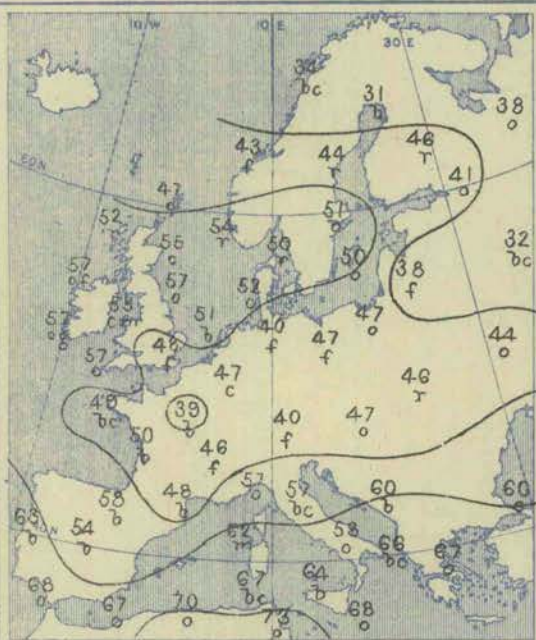
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over Lapland and at Moscow; dull and gloomy over the British Islands and Europe generally, with rain at a few stations, fog at others, but fine over the Peninsula, the south-west of France and the Mediterranean. Considerable falls of rain later over Scandinavia and the north of Russia, and smaller quantities locally over the northern countries, none in the south except at the Greek stations, where a very heavy fall occurred (1.9 ins. at Patras).

Temperature risen over Scotland, fallen over the Continent. Morning readings highest, 70° and more over Tunis and at Algiers, exceeding 60° on the southern shores of the Mediterranean, and exceeding 50° at the Atlantic coast stations of Europe generally. Lowest, 31° at Haparanda, 32° at Moscow, 37° at Kharkov, 38° at Archangel, and also at Riga; 46° at Oxford, 48° in London. Exceeding 60° over our Islands later, and touching 67° at Dungeness, 68° at Leith, 70° to 80° in the south of Italy, and rather higher value at the Algerian stations.

Wind North-Easterly in the north-west of Norway and the north of Scotland, very variable over England, South-Westerly and fresh over Sweden and the Gulf of Finland; extremely light and variable over central Europe, Easterly over the Bay of Biscay, Northerly over Italy. The North-Easterly wind in the extreme north and north-west spreading Southwards during the day and blowing a gale over Scandinavia.

Barometer highest, 30.4 ins. and more over central Russia, and exceeding 30.2 ins. in a band extending thence across north Germany and the north-east of France to England, Ireland, and the Atlantic. Lowest, 29.9 ins. in an elongated depression extending from the south of Norway to the North Sea, and in another system near Malta. Rising decidedly in the far north later, falling elsewhere, as the northern depression moved south-south-westward and grew deeper.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the week a large anticyclone covered nearly the whole of Europe, the central portion of the system being situated at first over Scandinavia and the Baltic, and afterwards over central Russia. The winds were, therefore, light and rather variable and the weather mostly fair; but cloud and fog were very prevalent in all but the southern countries, and local thunderstorms were reported in Germany.

On the 9th a depression skirted our north-western coasts in a north-easterly direction, while, in its rear, some secondary disturbances advanced eastwards, the effect of these being to cause a temporary spell of South-Westerly winds over our Islands, with rain in all but the extreme southern districts. On reaching the North Sea, however, the secondary systems all dispersed, and the conditions again became anticyclonic.

At the close of the week a more important change was in progress. A large depression, which appeared over Scandinavia on the morning of the 13th, was moving steadily southwards, and, in its rear, strong Northerly and North-Easterly winds were setting in over Scandinavia and the north of our Islands, with a decided fall in temperature.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 242.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	12.3	?	16	?	EASTBOURNE	16.4	?	22	?
OSWALDKIRK (Yorkshire)	10.6	?	14	?	MANCHESTER (Oldham Road)	8.2	?	4	?
WORKSOP	7.0	-12.8	9	-17	TENBY	12.5	?	16	?
THURCASTON (Leicestershire)	7.5	-12.1	10	-16	NORQUAY	?	?	?	?
MARGATE	8.6	?	11	?	TORQUAY	20.3	?	27	?
WESTBOURNE (Sussex)	23.9	?	31	?	ARLEY COTTAGE (County Cavan)	7.2	?	9	?
BRIGHTON	19.3	?	25	?	GUERNSEY	38.8	?	50	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Vol. XI. No. 42.]
Third Series.

WEEK ENDING SATURDAY, OCTOBER 20TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number.

TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90.

RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only.

BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 248.)		Temperature of the Air.													
		Observed during the Week.					Accumulated.								
		Highest.	Lowest.	Averages of			Above or below the Mean for the Week.	For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	23	47.1	36.8	41.5	4 below	Day-deg. 14	Day-deg. -20	Day-deg. 22	Day-deg. +15	Day-deg. 2031	Day-deg. +305	Day-deg. 519	Day-deg. -48
	1. SCOTLAND, EAST	58	19	47.9	35.6	41.6	4 below	17	-22	25	+17	2125	-81	610	+13
	2. ENGLAND, N.E.	52	34	48.8	40.3	44.4	3 below	24	-19	5	0	2355	+16	460	-61
	3. ENGLAND, EAST	56	34	50.9	39.3	44.9	3 below	32	-17	8	0	2755	+31	479	-109
	4. MIDLAND COUNTIES	55	32	49.8	39.0	44.2	3 below	28	-17	8	-1	2694	+25	491	-97
5. ENGLAND, SOUTH	57	28	52.0	39.6	45.6	4 below	35	-21	7	+1	3016	+73	310	-125	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	57	22	49.7	35.3	42.3	5 below	30	-13	19	+13	2309	+23	366	-62
	7. ENGLAND, N.W.	57	33	50.5	41.0	45.6	3 below	29	-17	3	+0	2321	+168	305	-124
	8. ENGLAND, S.W.	62	29	52.4	40.2	46.1	4 below	36	-19	5	+3	2815	+89	241	-80
	9. IRELAND, NORTH	52	21	50.3	37.0	43.5	4 below	32	-13	14	+10	2451	+32	349	-26
	10. IRELAND, SOUTH	60	27	50.8	38.2	44.3	5 below	32	-21	11	+7	2771	+52	228	-64
	-CHANNEL ISLANDS	61	30	55.2	46.6	50.8	2 below	62	-10	0	0	3343	+241	94	-18

DISTRICTS. (See p. 248.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10ths of in. 4	10ths of ins. 9 less	178	-14	Ins. 39.1	Ins. +1.3	21	+7	30	+9	1055	+121	32	+3
	1. SCOTLAND, EAST	5	8	1 more	194	+6	28.0	+2.9	15	+5	21	+6	1182	+39	34	+1
	2. ENGLAND, N.E.	6	15	9 more	168	+22	20.8	-0.1	15	-3	20	-4	1201	+95	32	+3
	3. ENGLAND, EAST	6	6	0 (average)	163	+21	20.3	-0.3	21	-1	28	-3	1314	-57	35	-1
	4. MIDLAND COUNTIES	4	3	4 less	153	+13	19.0	-4.0	17	-3	23	-5	1202	-10	32	0
5. ENGLAND, SOUTH	2	3	4 less	152	+16	22.3	+0.6	25	-1	34	-2	1413	-40	25	-1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	2	9 less	164	-1	37.3	-3.4	25	+7	34	+8	1235	+38	32	+1
	7. ENGLAND, N.W.	3	9	1 less	162	+10	26.3	-1.1	19	+5	26	+6	1148	+52	33	+2
	8. ENGLAND, S.W.	2	7	3 less	161	+7	29.6	-1.7	28	+6	38	+7	1472*	-6	38	0
	9. IRELAND, NORTH	4	4	4 less	182	+2	28.4	+0.1	28	+10	39	+14	1142	+49	30	+1
	10. IRELAND, SOUTH	2	7	2 less	164	+1	30.1	-0.1	25	+3	35	+5	1219	-80	32	-2
	-CHANNEL ISLANDS	4	5	5 less	170	+4	27.0	+1.7	30	+4	44	+5	1607	-81	43	-2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was cold and somewhat unsettled generally, with rather frequent rain in the north and north-west. Some intervals of fine, clear weather were experienced, however, in nearly all districts. At the end of the period sharp thunderstorms occurred at some of the south-western stations.

Temperature was below the mean, the deficit ranging from 2° in the Channel Islands, to 5° in Scotland W. and Ireland S. The highest of the maxima were recorded, as a rule, on the 14th, and ranged from 62° in England S.W., 61° in the Channel Islands, and 60° in Ireland S., to 58° in Scotland W., and to 52° in England N.E. The lowest of the minima, which were registered at about the middle or the latter part of the week, ranged from 19° in Scotland E., 21° in Ireland N., and 22° in Scotland W., to 34° in England E. and N.E., and to 39° in the Channel Islands.

Rainfall was greatly in excess of the mean in England N.E., and slightly so in Scotland E. In all other districts, with the exception of England E., where the fall just equalled the normal,

there was a deficit. In Scotland W., England S., and the Midland Counties, the fall was very slight.

Bright Sunshine was more prevalent than during the preceding week, and exceeded the mean in all the grazing districts, as well as in Scotland N. and E. The percentage of the possible duration ranged from 44 in the Channel Islands, and 39 in Ireland N., to 24 in the Midland Counties, 21 in Scotland E., and 20 in England N.E.

Barometer and Wind.—During the earlier part of the period an anticyclone extended from the north-westward over nearly the whole Kingdom, causing Northerly to North-Easterly winds on all our coasts. As the week progressed, however, the conditions became very complex, the anticyclone giving way, and depressions appearing over us—at first in the east and south-east, and subsequently in the south-west from the Atlantic. The system which was travelling eastwards across England at the close of the period caused considerable falls of rain and strong winds generally. In the Channel a gale from the Westward was experienced, while in the north there was a gale from the Eastward.

II.—DATA from which the SUMMARY on page 247 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	33	46.3	37.6	41.8	- 3.5	12	17	7	0.48	- 0.49	*	*	*
	Stornoway	49	33	47.4	37.3	42.2	- 3.4	21	13	6	0.61	- 0.54	25.8	+ 6.7	37
	Wick	50	32	47.3	37.0	42.0	- 3.9	15	14	6	0.57	- 0.13	*	*	*
	Glencarron	50	26	46.8	33.9	40.2	- 4.6	13	31	7	0.33	- 1.69	*	*	*
	Fort Augustus	53	23	47.2	35.3	41.1	- 4.7	15	26	4	0.34	- 0.79	10.9	?	16
1. SCOTLAND, E.	Fort William	52	24	47.5	36.5	41.8	- 5.1	15	22	1	0.01	- 1.78	25.0	?	36
	Nairn	51	29	47.4	33.9	40.5	- 5.5	15	31	5	1.05	+ 0.52	*	*	*
	Aberdeen	50	29	47.1	37.9	42.4	- 4.3	20	11	7	0.43	- 0.22	24.7	+ 4.3	35
	Braemar	54	19	45.5	31.3	37.2	- 5.8	4	37	6	0.65	- 0.25	13.8†	††	20†
	Ochertyre	56	22	51.1	34.6	42.6	- 2.9	35	21	2	0.19	- 0.78	*	*	*
2. ENGLAND, N.E.	Leith	54	30	50.1	38.0	43.9	- 4.0	30	11	3	0.73	+ 0.29	*	*	*
	Marchmont	58	31	48.1	37.7	42.8	- 2.3	24	12	5	1.66	+ 0.91	10.0	?	14
	Alnwick Castle	50	34	47.4	40.3	43.8	- 3.0	20	5	7	2.22	+ 1.56	*	*	*
	Durham	51	34	46.9	38.7	42.7	- 4.1	19	9	7	2.16	+ 1.49	8.1	- 10.6	11
	Shields	51	36	49.3	40.4	44.7	- 2.8	26	4	7	1.54	+ 0.99	*	*	*
3. ENGLAND, E.	Scarborough	52	35	49.9	38.7	44.1	- 3.5	29	9	4	0.71	+ 0.11	21.9	+ 3.9	30
	York	52	42	50.3	43.6	46.9	- 2.5	24	0	6	0.99	+ 0.48	*	*	*
	Spurn Head	54	34	50.9	39.0	44.8	- 3.1	32	8	6	0.90	+ 0.30	18.9	- 2.1	26
	Hillington	52	40	50.4	42.4	46.3	- 2.6	30	0	7	1.11	+ 0.46	*	*	*
	Yarmouth	56	35	51.9	37.4	44.4	- 4.4	36	13	7	0.82	+ 0.22	25.8	+ 1.0	35
4. MIDLAND COUNTIES	Geldeston	53	34	51.9	38.4	45.0	- 3.4	36	19	5	0.24	- 0.27	20.0	- 3.5	27
	Cambridge	52	34	49.4	39.3	44.2	- 3.5	27	8	4	0.14	- 0.51	17.6	?	24
	Rothamsted	53	34	50.0	39.0	44.3	- 3.3	29	8	4	1.10	+ 0.48	*	*	*
	Bawtry (Hesley Hall)	53	34	51.4	37.9	44.5	- 3.3	35	11	4	0.09	- 0.54	*	*	*
	Loughborough	55	32	52.0	38.4	45.0	- 2.8	36	10	6	0.15	- 0.50	*	*	*
5. ENGLAND, S.	Stamford (Ketton Hall)	51	35	48.0	37.2	42.4	- 3.9	23	13	1	0.25	- 0.55	*	*	*
	Cheadle	56	34	48.5	37.5	42.8	- 4.0	25	13	2	0.12	- 0.65	14.0	- 6.0	19
	Churchstoke	52	38	50.3	40.8	45.4	- 2.4	29	3	4	0.17	- 0.45	*	*	*
	Hereford	61	37	48.1	40.3	44.1	- 2.7	22	5	4	0.13	- 0.55	15.1	- 6.9	21
	Cirencester	54	38	49.7	40.7	45.1	- 3.4	27	4	4	0.13	- 0.44	14.8	- 7.9	20
6. SCOTLAND, W.	Oxford	53	31	49.9	38.6	44.1	- 5.2	29	10	3	0.39	- 0.19	12.4†	- 4.6†	17†
	London	53	42	51.0	44.9	47.9	- 2.0	41	0	2	0.20	?	*	*	*
	North Foreland	55	28	51.7	37.7	44.5	- 3.9	36	12	6	0.22	- 0.38	*	*	*
	Strathfield Turgiss	55	34	52.3	39.3	45.6	- 5.3	37	8	2	0.24	- 0.49	*	*	*
	Dungeness	57	38	53.4	39.8	46.4	- 4.5	40	6	2	0.43	- 0.35	28.5	+ 1.5	39
7. ENGLAND, N.W.	Hastings (St. Leonards)	57	32	54.2	37.9	45.3	- 4.0	44	11	1	0.25	- 0.46	24.5	- 0.5	34
	Southampton	56	36	53.7	40.3	46.8	- 4.1	41	5	1	0.25	- 0.50	*	*	*
	Hurst Castle	53	35	50.1	37.9	43.8	- 4.0	30	11	2	0.41	?	*	*	*
	Stowell	57	35	50.1	37.9	43.8	- 4.0	30	11	2	0.41	?	*	*	*
	Laudale (Loch Sunart)	57	27	52.6	34.2	43.1	- 3.8	40	22	2	0.09	- 1.69	*	*	*
8. ENGLAND, S.W.	Glasgow	50	30	47.0	36.5	41.6	- 5.0	14	22	4	0.15	- 0.69	20.9	+ 6.9	29
	Ardrossan	54	30	48.9	35.6	42.1	- 6.2	23	18	3	0.04	- 0.83	*	*	*
	Glenlee	55	22	49.3	31.9	40.3	- 5.5	20	38	3	0.06	- 1.19	*	*	*
	Douglas (Isle of Man)	55	36	50.9	38.1	44.3	- 3.8	32	11	2	0.65	- 0.30	28.0	+ 6.0	39
	Stonyhurst	54	35	48.6	39.1	43.7	- 3.6	24	8	1	0.18	- 0.97	19.4	+ 1.7	27
9. IRELAND, N.	Blackpool	57	34	51.6	38.6	44.9	- 3.6	35	10	2	0.07	- 0.85	27.8	+ 9.8	39
	Manchester (Prestwich)	57	33	50.9	38.7	44.6	- 2.9	32	9	1	0.52	- 0.39	16.0	?	22
	Liverpool Obsy. (Bidston)	52	39	49.7	42.0	45.7	- 3.2	26	0	2	1.13	+ 0.35	*	*	*
	Llandudno	57	40	51.7	44.3	47.9	- 2.4	41	0	4	1.92	+ 1.07	18.8	+ 2.2	26
	Holyhead	54	38	50.3	43.4	46.8	- 4.0	34	0	5	1.50	+ 0.62	*	*	*
10. IRELAND, S.	Llandovery	55	29	53.0	36.3	44.4	- 4.2	41	16	1	0.02	- 1.21	*	*	*
	Pembroke	56	42	51.0	45.3	48.1	- 3.0	43	0	5	1.24	+ 0.35	23.8	+ 1.8	33
	Bristol (Montpelier)	55	38	52.1	41.3	46.5	- 2.0	34	2	3	0.22	- 0.56	*	*	*
	Arlington (N. Devon)	55	34	50.2	39.3	44.6	- 4.3	30	8	2	0.50	- 0.81	*	*	*
	Cullompton	57	32	52.5	37.9	45.0	- 3.9	38	11	2	0.55	- 0.33	24.0	+ 3.5	33
CHANNEL ISLANDS	Falmouth	60	39	52.9	41.6	47.1	- 4.4	37	1	2	0.46	- 0.24	33.8	+ 7.9	46
	Plymouth	61	37	52.9	39.4	46.0	- 4.9	39	7	2	0.62	- 0.23	33.2	+ 10.2	45
	Prawle Point	62	37	54.4	40.4	47.2	- 4.0	43	4	2	1.25	+ 0.42	*	*	*
	Malin Head	50	40	48.3	44.4	46.3	- 0.9	30	0	4	0.17	?	*	*	*
	Londonderry	55	31	51.3	37.4	44.1	- 3.7	34	13	5	0.31	- 0.66	*	*	*
9. IRELAND, N.	Edenfel (Omagh)	52	28	49.1	35.0	41.8	- 4.5	20	28	2	0.34	- 0.49	*	*	*
	Belmullet	56	35	51.7	41.6	46.5	- 4.2	23	1	6	0.56	?	*	*	*
	Markree Castle	59	21	52.7	32.4	42.3	- 5.0	42	27	3	0.39	- 0.50	28.3	+ 9.3	39
	Brookeborough	55	25	50.2	32.9	41.3	- 4.7	23	36	2	0.86	- 0.08	*	*	*
	Armagh	52	29	49.8	34.0	41.7	- 5.1	22	32	4	0.51	- 0.17	28.1	+ 10.9	39
10. IRELAND, S.	Donaghadee	53	33	50.1	39.7	44.8	- 3.6	29	6	5	0.60	- 0.10	*	*	*
	Edgeworthstown	56	30	49.9	35.4	42.4	- 4.4	31	18	1	0.07	- 0.63	*	*	*
	Dublin	57	38	50.9	40.4	45.5	- 3.6	31	4	4	1.24	+ 0.55	17.8	- 4.4	25
	Parsonstown	55	29	50.1	34.9	42.3	- 5.3	32	20	3	0.37	- 0.24	26.1	+ 5.9	36
	Kilkenny	55	32	50.4	37.0	43.5	- 5.0	32	14	3	0.35	- 0.35	*	*	*
CHANNEL ISLANDS	Roche's Point	59	39	53.0	41.8	47.3	- 3.5	38	0	2	1.40	+ 0.48	*	*	*
	Valencia	60	38	51.3	42.1	46.6	- 4.7	32	0	2	0.21	- 1.13	31.1	+ 8.9	43
	Killarney	58	27	49.4	33.1	41.0	- 8.7	21	35	2	0.60	?	*	*	*
	Foynes	59	32	50.3	37.7	43.8	- 4.3	31	12	1	0.76	?	*	*	*
	Scilly (St. Mary's)	59	46	55.4	48.6	51.9	- 1.1	69	0	3	0.56	- 0.29	36.8	?	50
CHANNEL ISLANDS	Jersey	61	39	54.9	44.6	49.6	- 3.3	53	0	5	0.33	- 0.69	31.9	+ 4.1	43

Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *s* with the Scottish Meteorological Society.

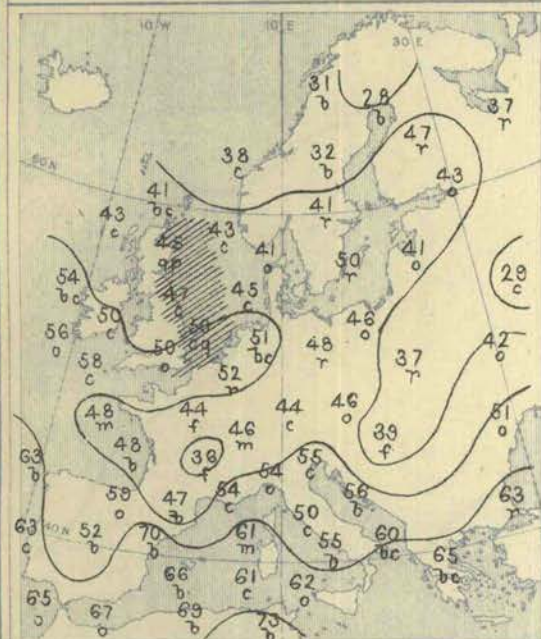
* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 14th October.

Temperature and Weather.

8 a.m.

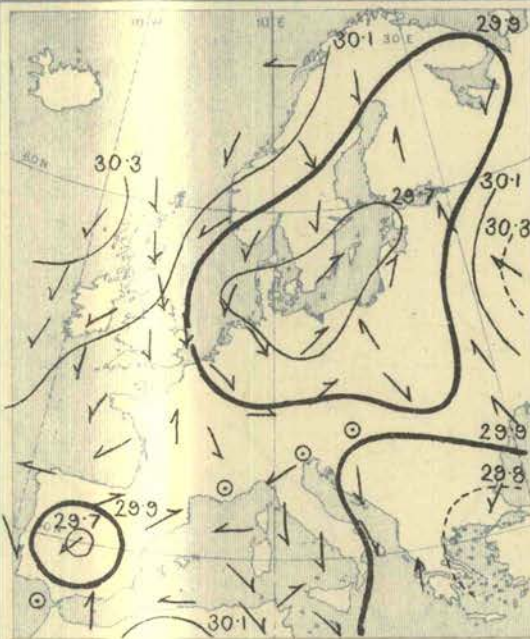


Weather in morning fine over the northern parts of the United Kingdom, cloudy in the southern districts, with rain showers at several of the English stations. Dull and unsettled over all the more central and eastern parts of the Continent, rainy in Belgium, Germany, the south of Sweden and northern Russia; foggy over central France; fine in most of the southern countries; rainy at Patras and Constantinople. Showers of rain or hail falling later at the northern and eastern stations, as well as over France and the north of Italy; snow at Stornoway.

Temperature fallen except over Germany—briskly over Great Britain and Scandinavia. Highest, 73° at Stax, 70° at Barcelona, and 69° at Algiers; above 60° at several of the Mediterranean and Spanish coast stations, and above 55° in the extreme south-west of our Islands. Lowest, 28° at Haparanda, 29° at Moscow, 31° at Bodö, and 32° at Hernösand; below 40° in many parts of northern Europe. Daily maxima below 55° in nearly all parts of Great Britain, below 50° on our extreme northern coasts, but exceeding 55° in the west and south of France, and exceeding 75° at Perpignan and in many parts of Spain and Italy.

Barometer and Wind.

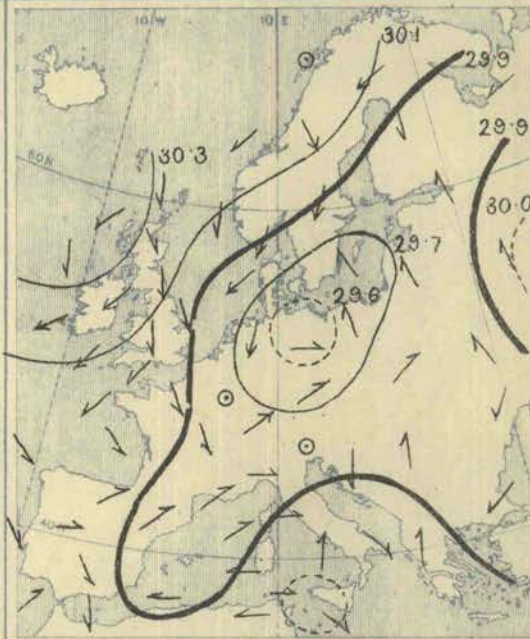
8 a.m.



Wind Northerly or North-Easterly over the greater part of western and northern Europe; fresh on our north and east coasts, and strong to a gale in the south of Scandinavia. Light from the Westward or South-Westward in Germany, and from the Southward or South-Eastward in Russia and at Wisby; variable over Austria, Italy, and the south of France. Subsequently increasing to a moderate gale from the Northward on our north-east coasts. No important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards in an anticyclone lying off the north-west of Scotland; 30.2 ins. and upwards in another system over central Russia. Lowest, 29.7 ins. and less in a large depression over the Baltic and its immediate neighbourhood, as well as in another disturbance over central Spain. Anticyclone off Scotch coast subsequently spreading south-eastwards, and barometer rising in most parts of western Europe.

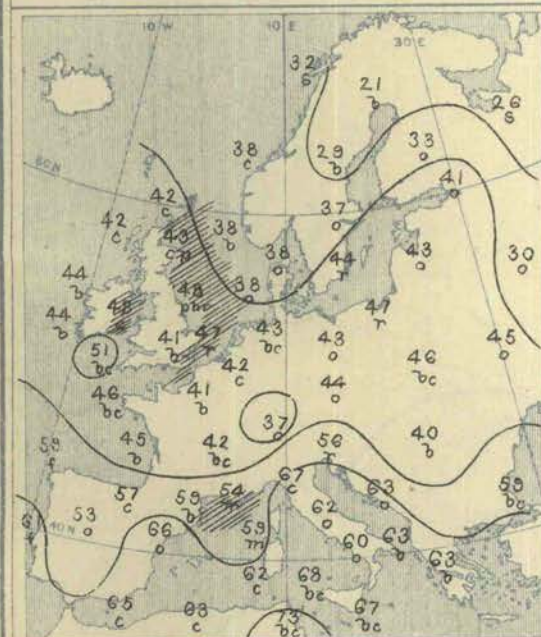
6 p.m.



Monday, 15th October.

Temperature and Weather.

8 a.m.

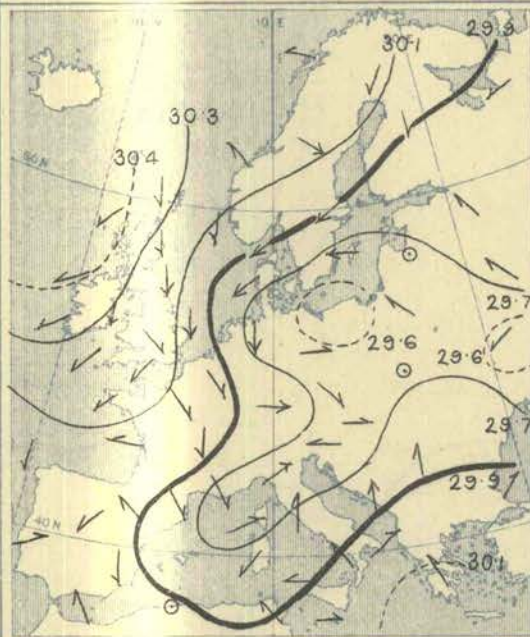


Weather in morning fine and bright over the northern and western parts of our Islands and the whole of France, cloudy and showery over our north-eastern and eastern counties, dull over northern, central, and eastern Europe, with rain at several stations, snow at Archangel and Bodö. Rain falling later in almost all the countries of Europe, snow at Munich; weather continuing fine over the western parts of the British Isles and France.

Temperature falling decidedly over northern Europe, the Netherlands, and greater part of England, rising over Italy and the Riviera. Highest, 73° at Stax, and exceeding 60° at many of the Mediterranean and Portuguese stations. Lowest, (1) 21° at Haparanda, 26° at Archangel, 29° at Hernösand, 30° at Moscow; (2) 37° at Munich, 41° at Belfort; (3) 30° at Parsonstown. Falling to reach 55° over the greater part of our Islands during the day, but touching 72° at Nice, 75° and more in several parts of Spain and Italy.

Barometer and Wind.

8 a.m.



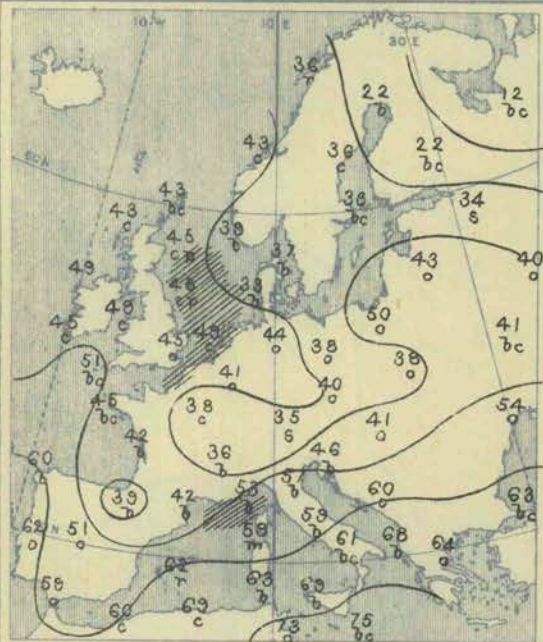
Wind Northerly over the United Kingdom generally, and moderate to strong in force, North-Easterly over the Bay of Biscay, North-Easterly to Northerly, strong to a gale in force, over the southern parts of Scandinavia and the eastern shores of the North Sea, North-Westerly to Westerly, light, over the west and south of Germany, South-Easterly at Memel, North-Westerly, moderate, over the Riviera, South-Westerly and Southerly, very strong, over the north of Italy, South South-Easterly, fresh, at Lesina. Very little change in our Islands later, but becoming strong over the northern half of the Mediterranean.

Barometer highest, 30.4 ins. or more at Belmullet and Stornoway, and exceeding 30.0 ins. over the greater part of Scandinavia, the British Islands, the north-western half of France, and also over Greece and the neighbouring parts of the Mediterranean. Lowest, 29.6 ins. in three depressions—one over north Germany, another over the south of Russia, and a third over the northern part of the Mediterranean. Rising over the eastern parts of the British Islands later; low pressure area over Russia and central Europe becoming very large.

Tuesday, 16th October.

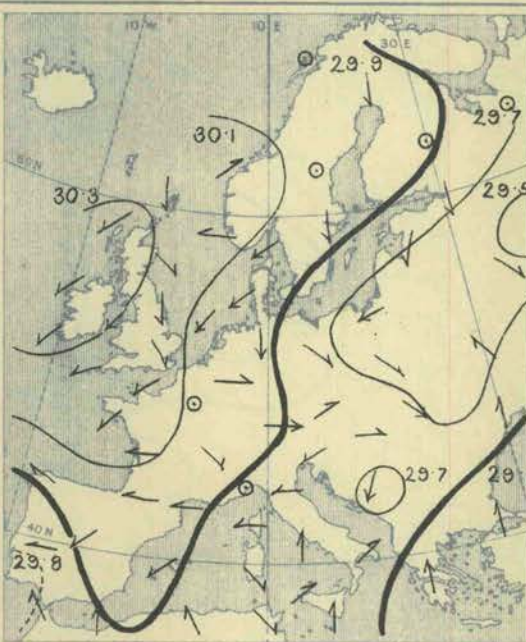
Temperature and Weather.

8 a.m.

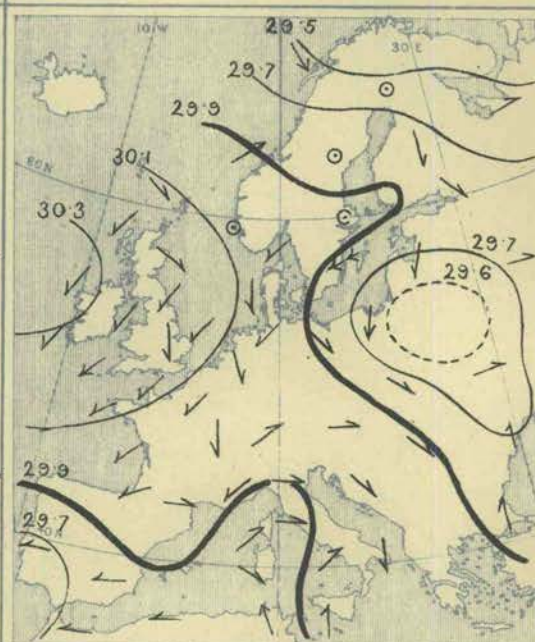


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of the United Kingdom, Norway, and northern Europe, as well as over the Mediterranean; fair over France; dull and unsettled over central Europe, and beginning to rain again in the west of Lapland. Rain falling later over Scandinavia, Scotland, and the north of Ireland, as well as over some of the southern parts of England, the north-east of France and in Germany. A considerable fall at Lisbon and Oporto also. Night clear over England.

Temperature risen somewhat in Norway, fallen over central Europe. Morning readings highest, 75° at Malta and about 60° at many stations in southern and south-western Europe; 52° at Jersey, 51° at Scilly. Lowest, (1) 12° Fahr. at Archangel, 22° at Haparanda and Kuopio, 28° at Helsingfors; (2) 37° at Parsonstown, 38° at Paris, 35° at Munich. Rising to between 50° and 55° over the greater part of our Islands later, and to between 70° and 80° over Spain and Italy; night frosty over central England.

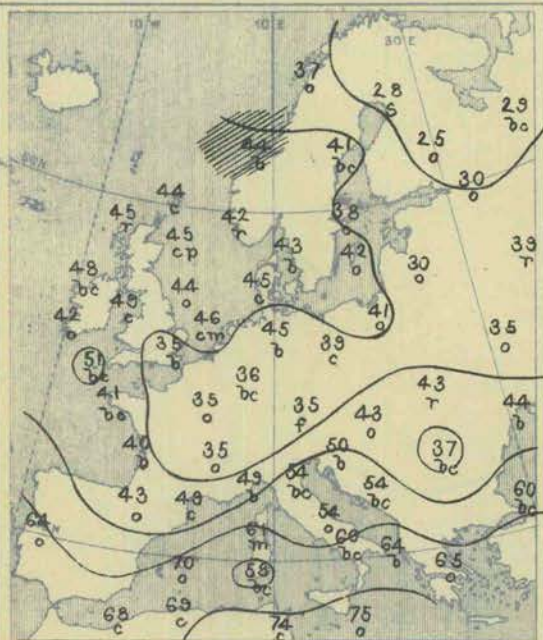
Wind North-Easterly to Northerly over the Baltic, the North Sea, and British Isles, Easterly over the Bay of Biscay, South-Easterly on the Portuguese coast, North-Westerly to Westerly over Poland and south Germany, very variable elsewhere. The Northerly and North-Easterly winds strong at some Baltic stations, and fresh on our east coasts, but subsiding generally. Very little change later beyond strong South-Westerly to North-Westerly breezes setting in on the north-west coast of Norway, and wind backing Northwards on the coast of north Germany.

Barometer highest, 30.3 ins. and more over Ireland and Scotland, and exceeding 30.0 ins. over western and north-western Europe generally. Lowest, 29.6 ins. and less in an elongated depression stretching from Moscow to eastern Prussia, and below 29.7 ins. in a small one over Dalmatia. Rising over central Europe later, but falling fast in the extreme north, and briskly in the north-west. Depression over central and western Russia becoming more clearly defined.

Wednesday, 17th October.

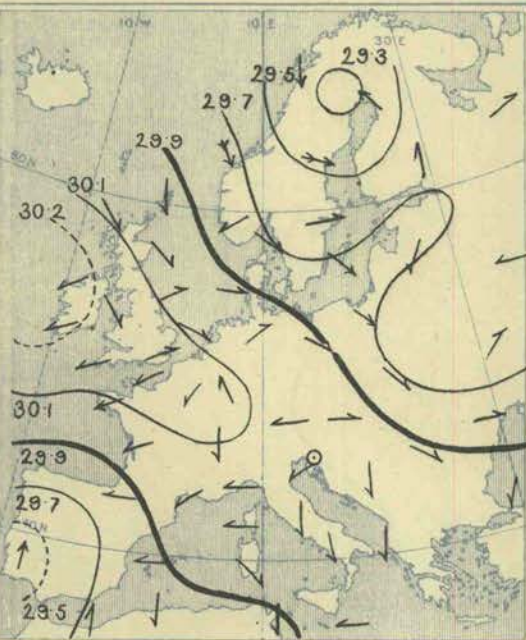
Temperature and Weather.

8 a.m.

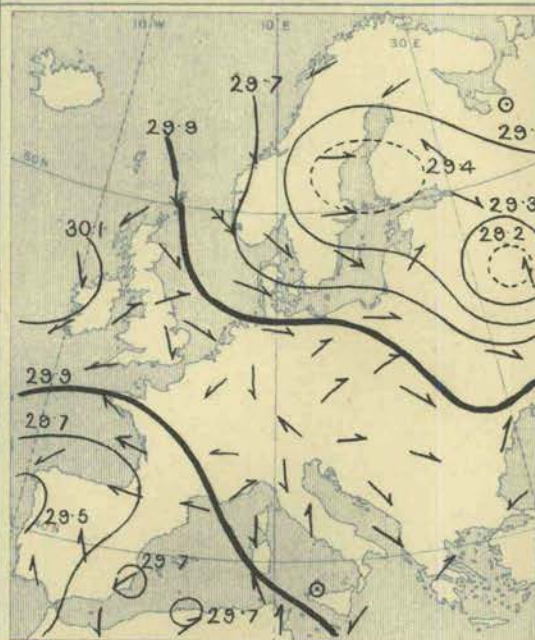


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Ireland, the south of England, and the west and south of France; dull and unsettled over central Europe, Russia, and Scandinavia, with rain at many stations, snow at Uleaborg and Haparanda, and slight rain showers in the north and east of our Islands. Considerable snow and rain in Lapland, Finland, and the north of Sweden later, slight showers in the north and east of our Islands, the Netherlands, and the southern half of France, and a large quantity of rain at Lisbon; fog in London.

Temperature not changed much, except in and around London, where a sharp fall had occurred. Morning readings highest, 75° at Malta, 74° at Stax, but below 60° over nearly the whole of Europe. Lowest, (1) 24° at Helsingfors, 28° at Uleaborg, 29° at Archangel, and 30° at Riga; (2) 35° in London, and at Münster and Munich. Not touching 50° at most stations in the north-east, but rising to between 55° and 57° at our south-western stations, to 70° and more in the south of Italy, and to 85° and more in some parts of Algeria.

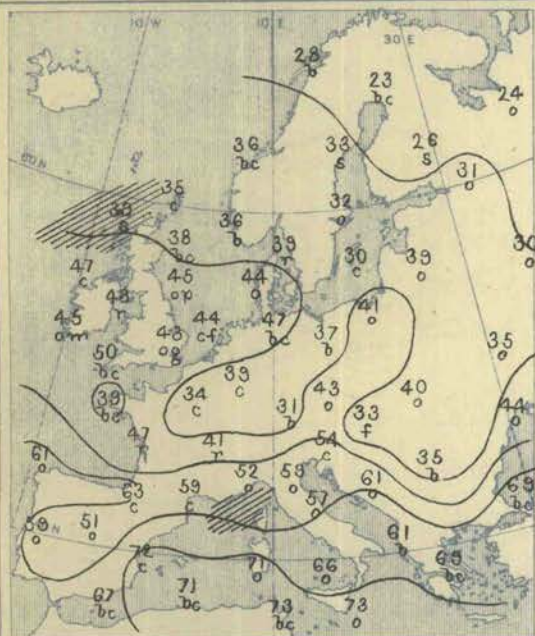
Wind (1) North-Westerly, strong to a gale, in many parts of Scandinavia, but South-Easterly at Haparanda; (2) North-Westerly to North-Easterly, light and anticyclonic, over the British Islands; Easterly, moderate to fresh, over the Bay of Biscay, and Southerly at Lisbon. The Easterly wind freshening over the Bay of Biscay later, and strong North-Westerly breezes spreading to the southern parts of Norway; light Westerly breezes felt over central Europe.

Barometer highest, 30.2 ins. and more over the western parts of Ireland, and exceeding 30.0 ins. over the whole of the British Islands and greater part of France, Germany, and south-eastern Europe. Lowest, about 29.3 ins. over the northern parts of Scandinavia; below 29.6 ins. off the south-west coast of Portugal, and below 29.6 ins. over central Russia. Falling decidedly both over western Europe and the Baltic later, as a well-marked depression moved south-eastwards from Lapland to Finland.

Thursday, 18th October.

Temperature and Weather.

8 a.m.

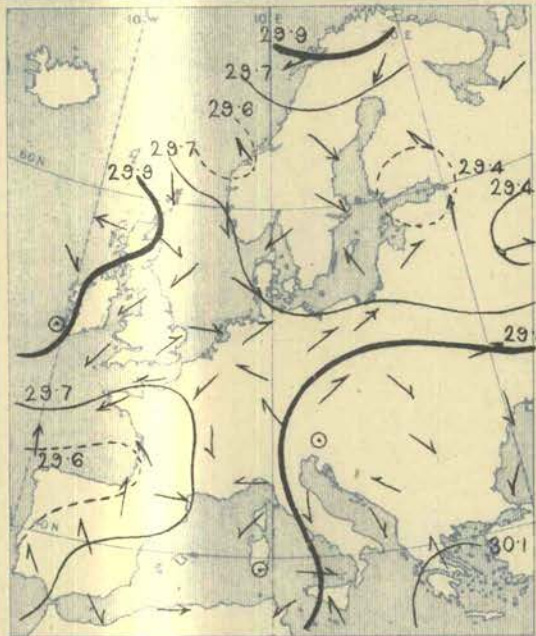


Weather in morning fine and bright over Norway and the greater part of Scotland, as well as over western Germany and south-eastern Europe; cloudy or overcast elsewhere, with snow at Kuopio; unsettled over England, with fog in some places, showers in others—rainy at Lyons. Some rain later over many parts of the British Isles, Germany, and France, and sleet in places. Rainfall heavy over the southern parts of Austria and France, and in Spain.

Temperature fallen except over the Mediterranean, the south of France, and the south-east of England, where it had risen. Morning readings highest, 73° at Malta, exceeding 60° in the far south generally, 50° at Scilly. Lowest, (1) 24° at stations in the extreme north, 30° at Moscow, 32° at Stockholm; (2) 36° at Wick and at Loughborough, (3) 31° at Munich, 34° at Wiesbaden. Falling to reach 50° in many parts of our Islands later, but touching 53° at Valencia, 56° at Jersey, 72° at Biarritz, 76° at Sanguinaire, 75° to 77° in the south of Italy, and 90° and more over Tunis.

Barometer and Wind.

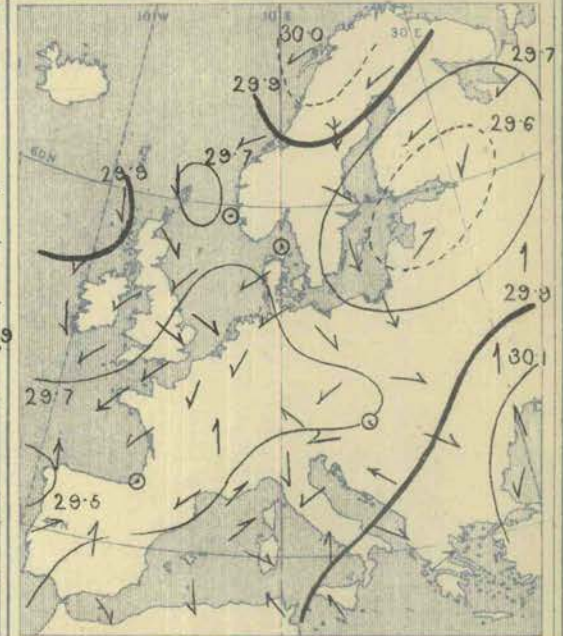
8 a.m.



Wind extremely variable in direction, moderate to very light in force. Direction Easterly in the far north, and Easterly to Northerly over the British Isles and the north and west of France. South-Westerly (fresh) over Germany, and Southerly (moderate) over the Iberian Peninsula. No general change later beyond increase in strength of the Southerly wind at Corunna and of the North-Westerly wind over the Baltic.

Barometer highest 30.0 ins. and more to 29.9 ins. over south-eastern Europe, and exceeding 29.9 ins. (1) over Scotland, the west of Ireland and adjacent parts of the Atlantic, and (2) over Finmark. Lowest, 29.4 ins. and less to 29.5 ins. in a large complex (but not deep) depression over Russia, and below 29.5 ins. both at Christiansund and over the western and northern parts of the Spanish Peninsula. Rising over northern Europe later, but falling in the west and south; depression over Finland decreasing in intensity.

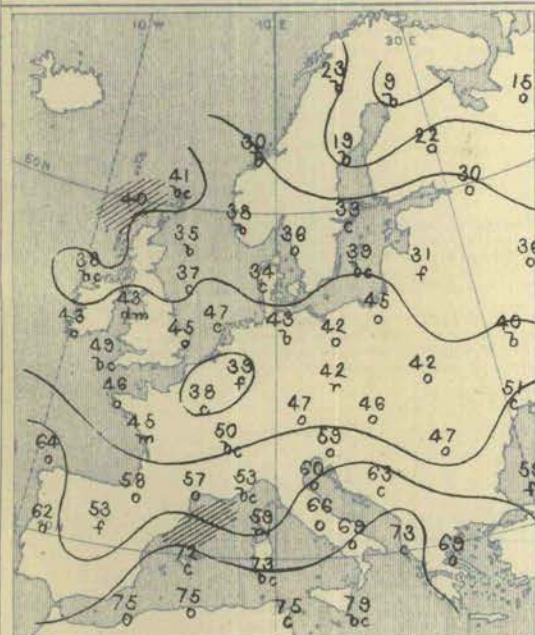
6 p.m.



Friday, 19th October.

Temperature and Weather.

8 a.m.

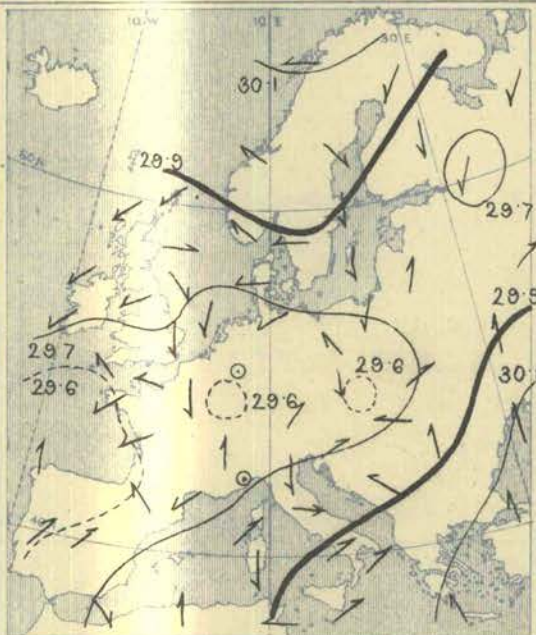


Weather in morning fine and bright over Scandinavia, and also in the south of Europe, but as a whole dull and very unsettled elsewhere, with fog in many places, rain in others, but temporarily fine in a few localities. Rain falling heavily and very generally over southern Europe later, and less heavily in Ireland; sleet, hail, and rain in Scotland, thunderstorms occurring in most of our northern and western districts.

Temperature highest, 79° at Malta, 78° at Sfax, 75° at Algiers and Oran, but below 60° almost everywhere else. Lowest, (1) 9° at Haparanda, 15° at Archangel, 19° at Hernosand; (2) 32° at Ardrossan, 34° at Nairn, 37° at York and Parsonstown; (3) 38° at Paris, and 39° at Brussels. Not touching 55° at any of our own stations later, but reaching 57° at Brest, 70° at Lyons, 76° at Biarritz, 79° at Brindisi, 88° at Palermo, and 97° at Tunis. Sharp frost over Scotland at night.

Barometer and Wind.

8 a.m.



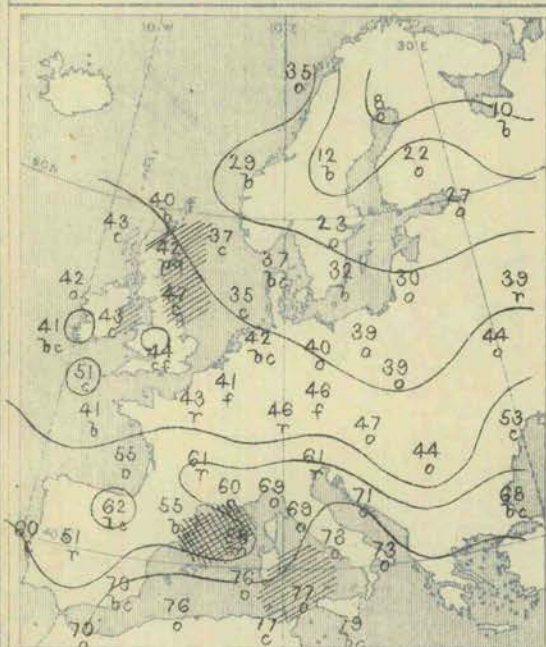
Wind Northerly over Finland and the Baltic, Easterly over Norway and Scotland, North-Easterly to Northerly over Ireland, England, and the greater part of France, but Southerly to South-Westerly over Spain and many parts of southern Europe. The North-Easterly wind increasing in strength over Ireland and Scotland later, and wind shifting to North-West at Lisbon.

Barometer highest, 30.0 ins. and more over the northern parts of Norway, Sweden, and Lapland, and 30.1 ins. and more to 30.0 ins. over Asia Minor and south-eastern Europe. Lowest, 29.6 ins. and less to 29.7 ins. in a very large and complex, but shallow, disturbance covering nearly the whole of the Bay of Biscay, Spain, western and central Europe, as well as in another disturbance near St. Petersburg. Falling rather decidedly in the west of France and at Scilly later, and depression in that region spreading northward; rising over central Europe.

Saturday, 20th October.

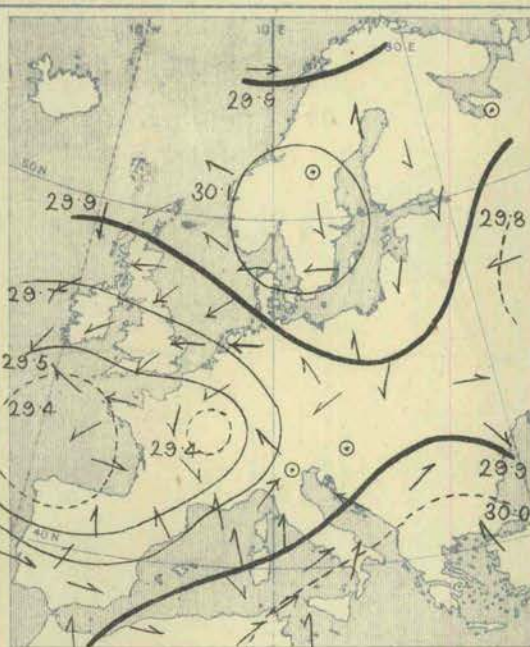
Temperature and Weather.

8 a.m.

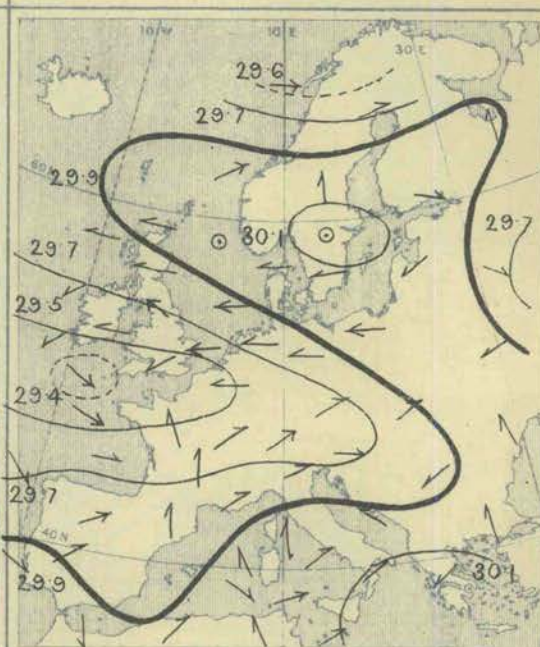


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of Scandinavia and Denmark, foggy at Riga and in several parts of England, very changeable and unsettled elsewhere, with rain in several places. Much rain later over the greater part of the British Islands, and considerable falls over France and central Europe; thunderstorms very prevalent in the west of the United Kingdom and over France.

Temperature risen over western and southern Europe as a whole, fallen in the north. Morning readings highest, much above 70° over Tunis and the extreme south of Italy, and exceeding 60° over the Mediterranean and the Spanish coasts generally. Lowest, (1) 9° at Haparanda, 10° at Archangel, 12° at Helsingfors, 20° at Christiansund, 34° at Nairn, 36° at Parsenstown and Loughborough, 39° at Oxford. Exceeding 50° over the southern parts of our Islands later, exceeding 70° in the south of France, exceeding 80° over the south of Italy, touching 100° at Tunis, but not rising even to the freezing point at St. Petersburg.

Wind (1) Westerly, strong, at Bodø; but (2) mainly light from North over Finland, from East over the Baltic; strong to fresh and squally from East over the North Sea, and from North-East in Ireland; (3) South-Westerly to Southerly over Spain and the Mediterranean; (4) very variable and cyclonic over France and the Channel. Blowing hard later from the Eastward over the northern parts of the British Islands, and from the Westward in the Channel and west of France. Westerly wind in far north also spreading over Norway and Sweden.

Barometer highest, 30.1 ins. and more to 29.9 ins. (1) over Scandinavia, the Baltic, and the Shetland Islands, and (2) over the south-eastern parts both of Europe and the Mediterranean. Lowest, (1) 29.4 ins. and less to 29.5 ins. in a complex series of depressions over the Bay of Biscay and France; below 29.8 ins. over central Russia; (3) below 29.9 ins. in the north-west of Lapland; gradients becoming rather steep over the North Sea. Well-marked depression reaching the south-west of England later, and moving east-north-eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\rightarrow$ = a calm. In the left-hand Chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\rightarrow$ = detached clouds; $\rightarrow$ = overcast; $\rightarrow$ = misty (hazy); $\rightarrow$ = foggy; $\rightarrow$ = squally; $\rightarrow$ = rain; $\rightarrow$ = hail; $\rightarrow$ = snow; $\rightarrow$ = lightning; and $\rightarrow$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week the weather over our Islands and their immediate neighbourhood was influenced by a large anticyclone, the central portion of which lay off our extreme north-west coasts. The winds were, therefore, Northerly, and temperature was low, the sky being mostly clear in the western and northern parts of the Kingdom, but dull elsewhere, with occasional slight rain. Over northern and central Europe the conditions were affected by two depressions, the first of which moved from the Baltic to central Russia on the 14th and 15th, while the second travelled south-eastwards across Scandinavia on the 17th. In the rear of each of these systems the wind blew strongly from the Northward over the northern countries, with snow in places; while in the more central parts of Europe the weather was dull and unsettled, with frequent rain.

After the 16th the anticyclone over our Islands passed away to the westward, and a low pressure system advanced steadily from Portugal to the Bay of Biscay and our south-west coasts. Easterly winds of increasing strength now set in over the United Kingdom, with gales on our north-east and north-west coasts; thunderstorms and heavy rain in the south-west, and snow or sleet in several of the western and northern districts. At the close of the week, when the depression passed in an east-north-easterly direction across England, heavy rain was experienced in many places, and in the rear of the system a Westerly gale sprang up at some of the Channel stations.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 248.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	11.0	?	16	?	EASTBOURNE	31.2	?	43	?
OSWALDKIRK (Yorkshire)	13.4	?	19	?	MANCHESTER (Oldham Road)	12.5*	?	17*	?
WORKSOP	22.4	+ 4.0	31	+ 5	TENBY	20.6*	?	28*	?
THURCASTON (Leicestershire)	17.6	- 1.1	24	- 2	NEWQUAY	33.0	?	45	?
MARGATE	21.7*	?	30	?	TORQUAY	27.9*	?	38*	?
WESTBOURNE (Sussex)	25.4*	?	35*	?	ARLEY COTTAGE (County Cavan)	27.6	?	38	?
BRIGHTON	28.5	?	39	?	GUERNSEY	20.8*	?	38*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, OCTOBER 27TH, 1894.

[Price 6d.
Annual Subscription,
post paid, £1 10s. 0d.]I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE
UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Mean for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The Means with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The Mean Amounts are those for the corresponding periods in the twenty-five years 1868-90, but the Mean numbers of Rainy Days are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The Mean Values employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 254.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	25	48.3	34.1	41.0	3 below	Day-deg. 18	Day-deg. -11	Day-deg. 31	Day-deg. +22	Day-deg. 2049	Day-deg. +204	Day-deg. 550	Day-deg. -26
	1. SCOTLAND, EAST	60	18	48.8	32.6	40.5	4 below	19	-14	36	+26	2144	-95	646	+39
	2. ENGLAND, N.E.	57	24	49.8	38.0	43.7	3 below	29	-8	11	+5	2385*	+9	470*	-57
	3. ENGLAND, EAST.	60	28	54.2	41.8	47.8	1 above	41	-1	1	-8	2706	+30	480	-117
	4. MIDLAND COUNTIES.	61	22	53.1	39.2	45.9	0 (average)	39	-1	8	-3	2733	+24	493	-100
5. ENGLAND, SOUTH	63	31	56.6	45.9	51.1	3 above	64	+15	0	-7	3080	+88	316	-132	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	58	20	49.5	36.6	42.9	3 below	29	-8	15	+8	2329	+18	381	-54
	7. ENGLAND, N.W.	61	25	52.4	40.5	46.3	1 below	36	-5	4	-1	2655*	+159	306	-125
	8. ENGLAND, S.W.	61	30	55.2	45.6	50.3	2 above	58	+8	0	-3	2873	+97	241	-83
	9. IRELAND, NORTH	53	21	51.8	39.0	45.2	1 below	35	-5	8	+3	2486	+27	357	-23
	10. IRELAND, SOUTH	60	29	53.9	42.2	47.9	0 (average)	41	-7	0	-5	2812	+45	228	-69
	-CHANNEL ISLANDS	63	45	58.7	51.7	55.1	3 above	92	+25	0	0	3435	+263	94	-18

DISTRICTS. (See p. 254.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.				For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	11	2 less	183	-14	40.2	+1.2	21	+7	32	+10	1056	+128	32	+3	
	1. SCOTLAND, EAST	4	10	2 more	168	+6	29.0	+3.2	24	+13	35	+20	1206	+52	34	+2	
	2. ENGLAND, N.E.	6	17	11 more	174	+24	22.6*	+1.1	9	-8	14	-11	1210	+87	32	+3	
	3. ENGLAND, EAST.	6	9	3 more	169	+22	21.2	0.0	20	0	29	0	1334	-57	32	-1	
	4. MIDLAND COUNTIES.	6	18	11 more	159	+15	20.8	-2.8	14	-5	20	-7	1216	-14	31	-1	
5. ENGLAND, SOUTH	6	16	9 more	158	+18	23.9	+1.5	16	-8	23	-12	1431	-48	25	-1		
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	21	9 more	169	0	37.4	-2.5	17	+1	26	+2	1372	+39	32	+1	
	7. ENGLAND, N.W.	5	27	17 more	167	+11	29.0	+0.7	13	-1	18	-1	1161	+52	33	+2	
	8. ENGLAND, S.W.	6	25	15 more	170	+9	32.1	-0.2	18	-4	26	-6	1490	-10	37	-1	
	9. IRELAND, NORTH	5	22	14 more	187	+3	30.6	+1.4	14	-3	20	-3	1156	+46	30	+1	
	10. IRELAND, SOUTH	6	30	21 more	173	+3	33.4	+2.0	18	-2	25	-4	1237	-82	32	-2	
	-CHANNEL ISLANDS	7	19	10 more	177	+6	28.9	+2.6	21	-5	29	-6	1623	-86	43	-2	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this week gradually became extremely unsettled and rainy in almost all parts of the Kingdom. The rainfall was unusually heavy over Ireland, England, and the more south-western parts of Scotland. Thunderstorms and a good deal of lightning occurred at several of our more southern stations during the middle or latter part of the week.

Temperature continued below the mean in Scotland and the northern districts of England and Ireland, but was rather above the normal in most other parts of the Kingdom. The highest of the maxima (which were recorded between the 24th and 26th) ranged from 63° in England S. and the Channel Islands, to 56° in Scotland N. The lowest of the minima were registered either on the 22nd or 23rd, when the thermometer fell to 18° in Scotland E. (at Braemar), to 21° in Ireland N., 22° in the Midland Counties, and to between 24° and 31° in all other districts except the Channel Islands, where the lowest reading was 45°.

Rainfall was less than the mean in Scotland N., but exceeded it in all other districts, the excess being very large except in Scotland E. and England E. The largest amounts recorded

during the week at any individual stations were 4.49 ins. at Killarney, 4.46 ins. at Westbourne (Sussex), and 4.28 ins. at Holyhead. At Westbourne, on Wednesday, as much as 2.09 ins. fell between 8 a.m. and noon.

Bright Sunshine exceeded the mean value at most of the Scotch stations, and just equalled it in England E., elsewhere there was a general deficit. The percentage of the possible amount of duration ranged from 35 in Scotland E. and 32 in Scotland N., to 18 in England N.W., and to 14 in England N.E.

Barometer and Wind.—Barometric pressure was in a very unstable condition during this period, rather deep depressions advancing from the Atlantic and travelling across our Islands. Strong winds or gales were of frequent occurrence on many parts of our coasts, from the South-Westward or Westward in the south and west, but mostly from between East and South in the north. The South-Westerly gales in the English Channel were rather severe.

II.—DATA from which the SUMMARY on page 253 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	34	45.9	36.1	40.9	- 3.4	11	23	5	2.19	+1.22	*	*	*
	Stornoway	56	30	50.6	35.6	42.9	- 1.5	33	18	5	0.85	-0.30	23.6	+ 6.7	36
	Wick	53	25	48.3	33.6	40.7	- 3.7	18	32	6	1.63	+0.93	*	*	*
	Glencarron	52	28	46.9	33.2	39.9	- 3.5	14	33	5	0.72	-1.42	*	*	*
	Fort Augustus	55	26	49.3	32.4	40.6	- 3.7	20	37	3	0.46	-0.46	21.2	?	32
1. SCOTLAND, E.	Fort William	55	26	48.5	33.7	40.9	- 4.7	13	32	4	0.57	-1.23	19.2	?	29
	Nairn	53	22	49.7	29.0	39.0	- 5.6	22	48	4	0.69	+0.17	*	*	*
	Aberdeen	53	29	49.3	36.1	42.5	- 2.7	28	17	6	0.90	+0.22	31.8	+12.8	48
	Braemar	49	18	44.2	29.2	36.5	- 5.0	6	45	4	0.71	-0.19	22.2†	?	34†
	Ochertyre	60	24	51.3	32.1	41.4	- 2.5	26	39	2	1.19	+0.19	*	*	*
2. ENGLAND, N.E.	Leith	56	25	50.7	35.1	42.8	- 3.6	35	19	5	0.56	+0.08	*	*	*
	Marchmont	54	28	47.7	34.1	40.7	- 3.0	16	30	5	1.70	+0.92	19.0	?	28
	Alnwick Castle	52	25	47.7	35.3	41.3	- 4.4	16	26	6	2.49	+1.79	*	*	*
	Durham	55	21	48.0	36.7	42.2	- 3.0	24	15	6	1.83	+1.18	8.4	- 9.1	12
	Shields	54	29	49.9	37.3	43.4	- 2.7	30	13	6	1.42	+0.88	*	*	*
3. ENGLAND, E.	Scarborough	55	29	49.6	39.3	44.3	- 2.8	27	8	6	1.77	+1.07	*	*	*
	York	57	25	51.9	36.3	43.9	- 2.1	37	16	6	1.89	+1.29	9.4	- 6.9	14
	Spurn Head	56	38	51.4	43.0	47.1	- 0.8	26	0	6	1.05	+0.53	*	*	*
	Hillington	58	28	52.9	41.2	46.9	+ 0.3	38	2	7	1.44	+0.82	16.4	- 2.6	24
	Yarmouth	58	34	55.6	43.3	48.3	+ 0.7	44	0	6	0.65	-0.03	*	*	*
4. MIDLAND COUNTIES	Geldeston	60	30	54.9	42.5	48.5	+ 1.2	46	0	7	0.62	+0.02	22.0	- 0.6	32
	Cambridge	60	29	55.1	39.1	46.9	+ 0.5	46	8	6	0.66	+0.16	23.2	+ 1.8	34
	Rothamsted	60	30	54.6	42.7	48.2	+ 2.4	43	0	5	1.08	+0.43	16.6	?	24
	Bawtry (Hesley Hall)	57	24	51.3	37.6	44.3	- 1.5	35	12	6	1.08	+0.50	*	*	*
	Loughborough	60	22	54.1	36.1	44.8	- 1.2	44	17	6	1.53	+0.93	*	*	*
5. ENGLAND, S.	Stamford (Ketton Hall)	58	24	54.0	38.3	45.9	- 0.2	43	10	7	1.39	+0.75	*	*	*
	Cheadle	57	30	50.6	39.8	45.0	+ 0.3	30	6	5	2.37	+1.55	*	*	*
	Churchstoke	57	24	51.7	39.1	45.2	- 0.1	35	8	6	2.53	+1.80	13.3	- 4.5	19
	Hereford	59	27	53.9	39.9	46.7	- 0.2	42	6	5	1.74	+1.14	*	*	*
	Cirencester	59	32	54.4	41.4	47.7	+ 2.3	42	2	5	2.26	+1.69	14.1	- 6.4	20
6. SCOTLAND, W.	Oxford	59	30	54.9	41.3	47.9	+ 1.1	44	2	5	1.29	+0.76	15.4	- 5.6	22
	London	63	36	56.3	44.7	50.3	+ 2.7	58	0	4	1.38	+0.83	11.4†	- 3.6†	17†
	North Foreland	62	43	56.6	46.0	51.1	+ 2.8	64	0	3	0.33	?	*	*	*
	Strathfield Turgiss	61	31	56.2	42.8	49.3	+ 2.6	51	0	5	1.63	+1.10	*	*	*
	Dungeness	59	42	56.4	47.9	52.0	+ 2.7	70	0	5	1.65	+0.88	*	*	*
7. ENGLAND, N.W.	Hastings (St. Leonards)	60	42	56.9	47.8	52.2	+ 2.8	71	0	7	1.59	+0.68	13.2	-11.3	19
	Southampton	62	39	57.5	46.7	51.9	+ 3.6	69	0	7	2.47	+1.77	13.3	- 9.5	19
	Hurst Castle	61	44	58.1	48.0	52.9	+ 3.4	76	0	7	1.78	+1.04	*	*	*
	Stowell	59	38	55.0	43.5	49.1	+ 2.8	50	0	7	1.94	?	*	*	*
	Laudale (Loch Sunart)	58	30	50.0	35.2	42.4	- 3.2	31	19	5	0.93	-0.90	*	*	*
8. ENGLAND, S.W.	Glasgow	54	29	47.8	36.6	42.0	- 3.1	16	15	3	1.37	+0.51	17.7	+ 5.8	26
	Ardrossan	56	30	50.0	36.9	43.3	- 3.6	31	14	5	1.90	+0.73	*	*	*
	Glenlee	53	20	48.8	32.1	40.2	- 4.1	19	38	5	2.88	+1.62	*	*	*
	Douglas (Isle of Man)	57	28	51.1	42.4	46.6	- 0.4	32	0	6	3.73	+2.75	16.9	- 3.2	25
	Stonyhurst	56	28	48.6	38.6	43.5	- 2.4	25	10	5	2.91	+1.80	11.5	- 4.0	17
9. IRELAND, N.	Blackpool	58	25	52.4	38.2	45.1	- 1.9	38	11	5	2.26	+1.36	15.2	- 0.9	22
	Manchester (Prestwich)	58	27	52.8	38.3	45.3	- 0.5	39	10	5	2.68	+1.76	8.5	?	13
	Liverpool Obsy. (Bidston)	58	33	52.3	42.0	47.0	- 0.5	35	0	5	1.47	+0.72	*	*	*
	Llandudno	61	32	53.9	43.7	48.7	- 0.0	47	0	5	2.27	+1.44	19.4	+ 4.4	28
	Holyhead	37	37	54.3	42.3	48.1	- 1.3	43	0	5	4.28	+3.28	*	*	*
10. IRELAND, S.	Llandovery	61	30	55.3	40.1	47.5	+ 0.6	46	5	6	3.39	+2.13	*	*	*
	Pembroke	66	38	53.9	46.3	50.0	0.0	56	0	5	1.45	+0.57	18.3	- 1.7	27
	Bristol (Montpelier)	61	35	55.8	43.8	49.6	+ 2.5	53	0	5	1.83	+1.05	*	*	*
	Arlington (N. Devon)	57	38	53.4	43.7	48.4	+ 0.8	45	0	7	3.29	+1.89	*	*	*
	Cullompton	59	39	55.9	45.1	50.3	+ 2.5	58	0	7	2.66	+1.85	11.4	- 7.1	16
CHANNEL ISLANDS	Plymouth	58	43	55.9	48.9	52.3	+ 1.9	72	0	7	2.26	+1.06	19.0	- 5.8	27
	Prawle Point	59	43	56.5	48.7	52.5	+ 2.9	74	0	7	2.04	+1.13	17.7	- 2.8	25
	Malin Head	54	37	50.7	41.7	46.1	+ 0.1	30	1	4	0.79	?	*	*	*
	Londonderry	59	29	52.4	38.4	45.2	- 1.2	38	10	5	1.68	+0.70	*	*	*
	Edenfel (Omagh)	59	22	53.3	36.3	44.6	- 0.2	42	16	5	2.62	+1.80	*	*	*
10. IRELAND, S.	Belmullet	54	35	51.7	42.4	46.9	- 2.7	24	0	7	3.16	?	*	*	*
	Markree Castle	58	21	52.5	37.5	44.8	- 1.2	39	13	6	2.22	+1.31	13.7	-4.3	20
	Brookeborough	58	24	51.7	37.9	44.6	0.0	35	11	5	2.51	+1.66	*	*	*
	Armagh	57	27	51.3	38.4	44.7	- 0.7	34	10	5	2.95	+2.27	14.8	- 1.2	22
	Donaghadee	55	31	51.1	41.3	46.1	- 1.0	32	2	5	2.68	+1.95	*	*	*
CHANNEL ISLANDS	Edgeworthstown	56	29	51.9	36.9	44.2	- 1.1	37	14	6	1.11	+0.41	*	*	*
	Dublin	58	36	53.4	43.4	48.3	+ 0.4	44	0	6	2.01	+1.31	17.5	- 3.5	25
	Parsonstown	58	29	52.6	38.7	45.4	- 0.8	38	9	4	2.12	+1.42	17.4	- 1.6	25
	Kilkenny	57	30	53.7	40.6	47.0	- 0.2	41	4	6	2.53	+1.83	*	*	*
	Roche's Point	58	38	55.7	45.0	50.2	+ 0.4	57	0	6	2.99	+2.05	*	*	*
CHANNEL ISLANDS	Valencia	60	38	55.1	45.3	50.1	- 0.1	57	0	6	3.49	+2.09	17.8	- 3.2	26
	Killarney	59	30	53.8	40.7	47.1	- 1.4	41	4	6	4.49	?	*	*	*
	Foynes	60	34	53.1	42.0	47.4	+ 0.5	38	0	6	3.18	?	*	*	*
	Scilly (St. Mary's)	59	48	57.3	51.0	54.1	+ 2.2	85	0	7	2.35	+1.46	20.4	?	29
	Jersey	63	45	60.0	52.3	56.0	+ 4.5	98	0	7	1.53	+0.47	20.5	- 5.3	29

Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *s* with the Scottish Meteorological Society.

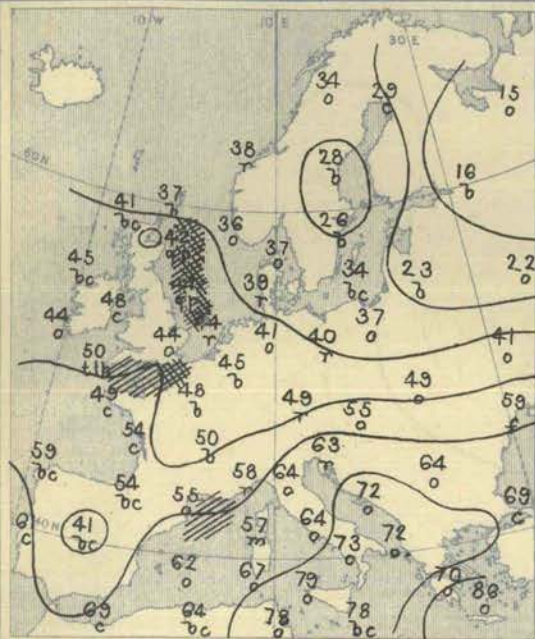
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 21st October.

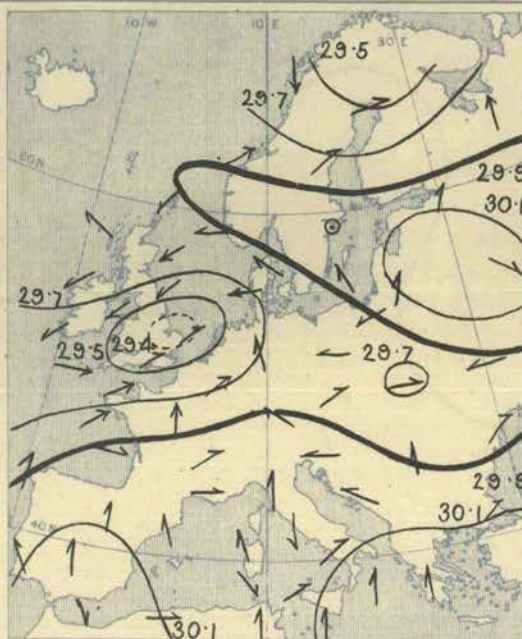
Temperature and Weather.

8 a.m.

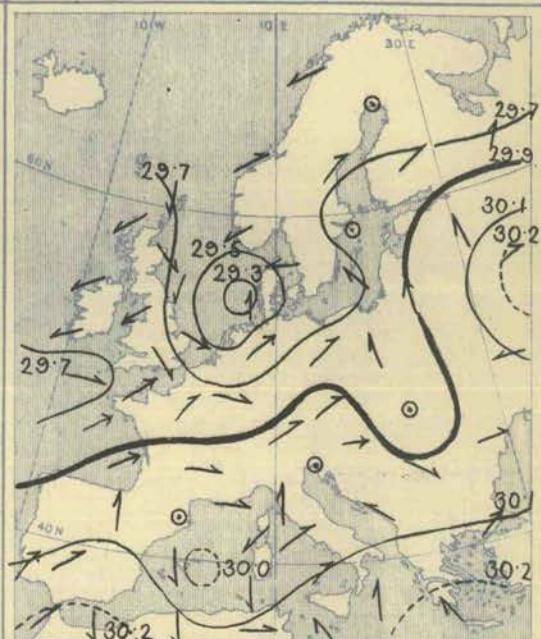


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine in Ireland and the west and north of Scotland; dull and unsettled in other parts of our Islands, with rain in the east and south-east of England, and thunderstorms at Scilly and Jersey. Fine in Sweden, France, Belgium, and Spain; cloudy in the other Continental countries, with rain at some of the German and Austrian stations, as well as in the south of Russia. Showers falling during day in the north and east of our Islands, and heavy rain in Germany and the north of France; lightning seen at night at Prawle Point and the North Foreland. Thunderstorm, with heavy rain, at Buda-Pesth.

Temperature fallen in the north of Scotland and also over the greater part of southern Europe, risen elsewhere, quickly in Lapland. Morning readings highest, 86° at Athens, 79° at Palermo, and 78° at Malta and Sfax; above 65° at most of the Mediterranean and Adriatic stations. Lowest, 15° at Archangel, 16° at St. Petersburg, and 19° at Carlstadt; below the freezing point over central Scotland. Daily maxima below 50° in the northern and eastern parts of our Islands; thermometer exceeding 60° in the south of France, and exceeding 70° in Italy. Sharp frost occurring at night in many parts of Great Britain.

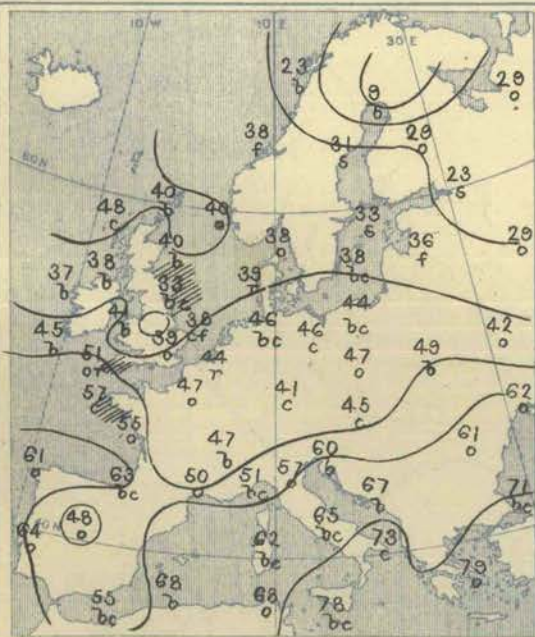
Wind Easterly or North-Easterly over Ireland and the northern parts of Great Britain and the eastern shores of the North Sea; strong to a gale in force on our north-east and north-west coasts. Strong to a gale from the Westward in the Channel; South or South-West over Spain, France, and the Netherlands, with a gale at the Helder, variable in Italy, Austria, and the south of Russia; South or South-West over northern Russia and the central parts of Scandinavia. Backing later to the North or North-West over the northern parts of our Islands, and subsiding quickly on all our coasts.

Barometer highest, 30.1 ins. and upwards in an anticyclone over central Russia, and also in another system over Spain and Morocco. Lowest, 29.4 ins. and less in a well-marked depression with its centre over the Wash; 29.5 ins. and less in another disturbance over Lapland. English depression moving later to the Danish coasts, and barometer rising in all but the extreme northern parts of our Islands.

Monday, 22nd October.

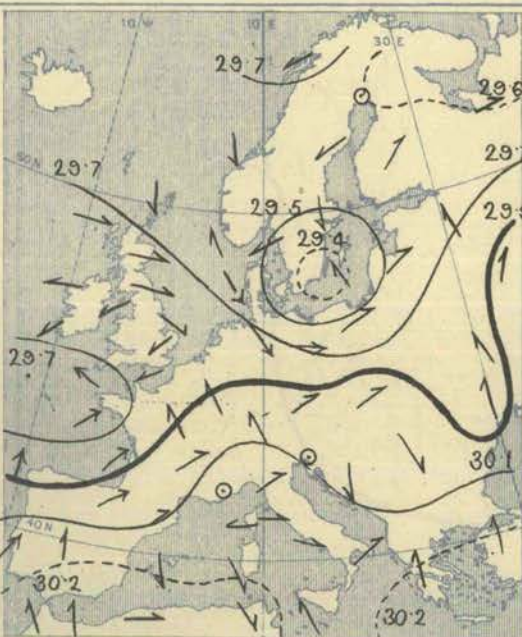
Temperature and Weather.

8 a.m.

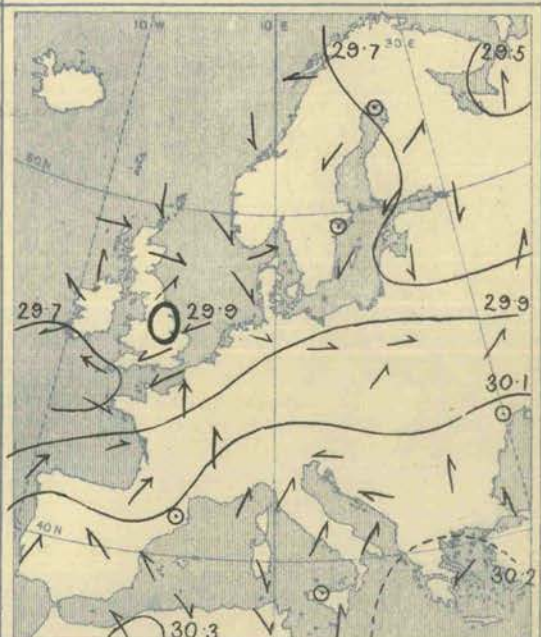


Barometer and Wind.

8 a.m.



6 p.m.



Weather fine over the greater part of our Islands, but dull and rainy in the extreme south of England. Cloudy in most of the Continental countries, with rain at Fano, Brussels, and Wiesbaden, and with snow in many parts of Sweden and northern Russia. Heavy rain falling later at some of the Channel stations, as well as at Brussels; lightning seen at Scilly at night.

Temperature fallen several degrees in our Islands, as well as in south Germany, Austria, and Italy; risen in most other countries. Morning readings highest, 79° at Athens, 78° at Malta, and 75° at Brindisi and Sfax; above 60° in most parts of southern Europe. Lowest, (1) 8° at Uleaborg, 9° at Haparanda, and 23° at Bodö and Moscow; (2) 24° at Loughborough and 30° at Parsenstown. Daily maxima below 50° at several of our own northern, eastern, and south-eastern stations, and below 55° on all but our extreme south-west coasts; thermometer exceeding 70° in most of the southern countries, the highest reading of all being 82° at Palermo and Malta. Sharp frost at night over the northern and central parts of Great Britain.

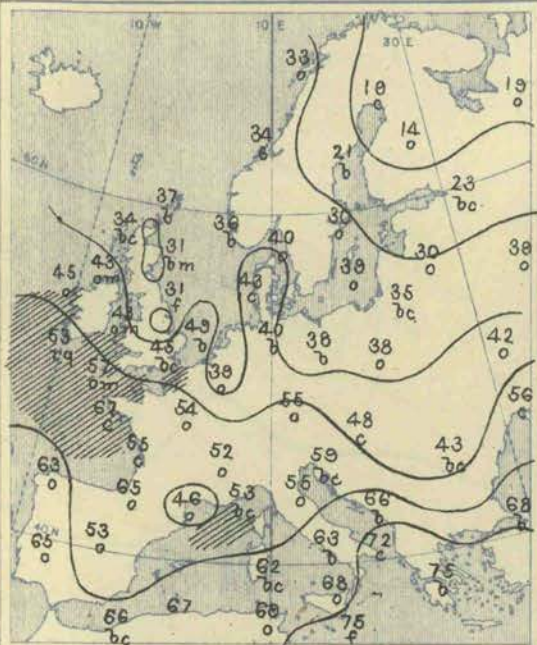
Wind light to fresh from the Eastward in the west and south of our Islands; fresh or strong from the South-West over Spain and the west of France. Light from the West or North-West in the northern and eastern parts of Great Britain, and strong from the same quarter in Denmark; fresh to strong from the West or South-West in north Germany, North-Easterly or Northerly over the greater part of Scandinavia. Southerly or South-Easterly in Russia; variable in Austria, light from the West or South-West in Italy. No important change occurring during day.

Barometer highest, 30.2 ins. and upwards in an anticyclone over Algeria, the south of Spain, and the adjacent parts of the Mediterranean. Lowest, 29.4 ins. and less in a depression over the Baltic; 29.6 ins. and less in a shallow system over the west of Norway, and also in another disturbance near the mouth of the English Channel. Barometer rising in most of the western countries during day, but general distribution of pressure remaining unchanged. Depression over Baltic moving eastwards and filling up.

Tuesday, 23rd October.

Temperature and Weather.

8 a.m.

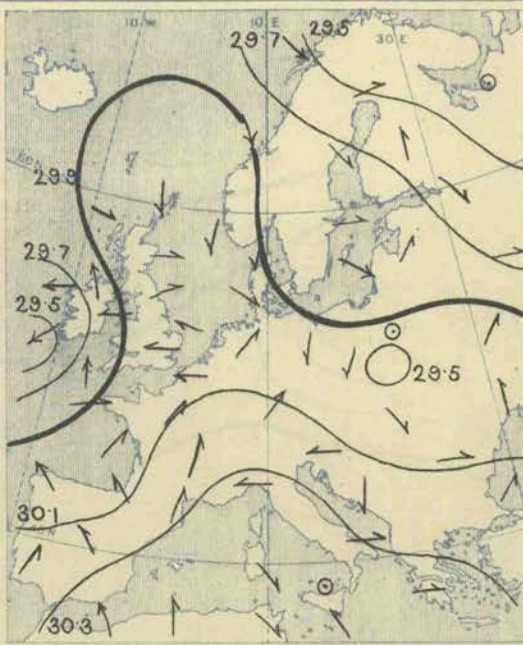


Weather in morning dull in the west and south-west of our Islands, with rain in the south of Ireland; fine in the northern and eastern parts of Great Britain, but foggy in places. Fine in the south of Norway, as well as over Holland, north Germany, Italy, and Austria: cloudy in most other parts of the Continent, with rain in south Germany, and with snow at Christiansund. Rain falling later in all but the extreme south-eastern parts of our Islands; amounts exceeding an inch at many of our western stations, and reaching 1.8 ins. at Roche's Point. Lightning seen at Prawle Point at night, and faint aurora at Wick.

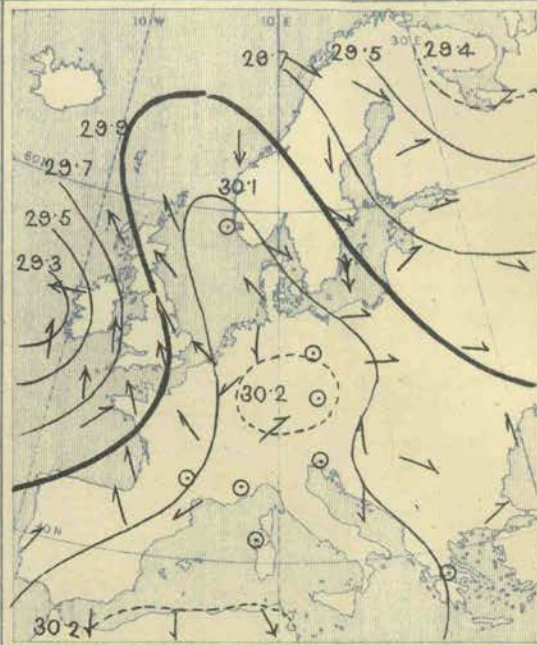
Temperature fallen over the northern parts of Great Britain, risen fast in Ireland. Morning readings highest, 75° at Athens and Malta, and 72° at Brindisi, above 60° in many parts of southern Europe. Lowest, (1) 14° at Kuopio, 19° at Archangel and Haparanda, and 21° at Hernösand; (2) 26° at Nairn and Loughborough (below the freezing point over the northern and central parts of Great Britain generally). Brisk rise taking place during day in the last-mentioned regions; thermometer reaching 60° or more on our extreme south-west coasts, exceeding 65° in the west and south of France, and reaching 75° at Toulouse.

Barometer and Wind.

8 a.m.



6 p.m.



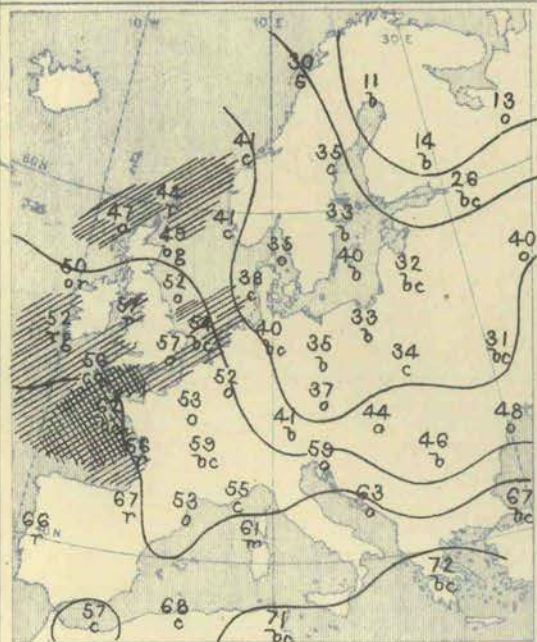
Wind Easterly or South-Easterly over Ireland and England, and strong in force on our south-west coasts; light from the South-Westward in France. Light from the Westward or North-Westward on our north and north-east coasts; moderate to strong from the North-Westward over Scandinavia and Finland, light from the Westward or South-Westward over Austria and the southern parts of Germany and Russia. North-Westerly or Westerly in Italy, variable at the Mediterranean stations. Increasing South-Easterly and Southerly winds setting in later over the whole of the United Kingdom, with a fresh to strong gale on our western and northern coasts.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards over the whole of southern Europe and the Mediterranean, 30.0 ins. and upwards in a "ridge" spreading northwards over the North Sea and the eastern parts of Great Britain. Lowest, 29.5 ins. and less in a rather deep depression off the south-west of Ireland, as well as in a larger system over the northern parts of Russia and Scandinavia. Irish depression subsequently moving slowly northwards and becoming deeper; barometer falling over the whole Kingdom, briskly in the west.

Wednesday, 24th October.

Temperature and Weather.

8 a.m.

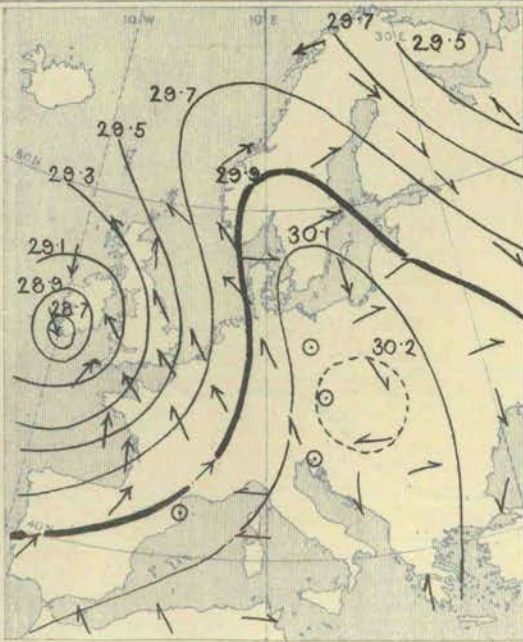


Weather in morning squally and rainy in all the more western parts of our Islands and France, as well as in the north of Scotland; fair at some of our east coast stations. Fair or fine over the greater part of northern, eastern, and central Europe, but dull in Austria (Spanish and Italian reports wanting). Rain spreading later to all parts of western Europe, amounts large in many places, the heaviest of all being 1.7 ins. at Sumburgh Head and Belmullet. Lightning seen in the south of England at night and also at Paris.

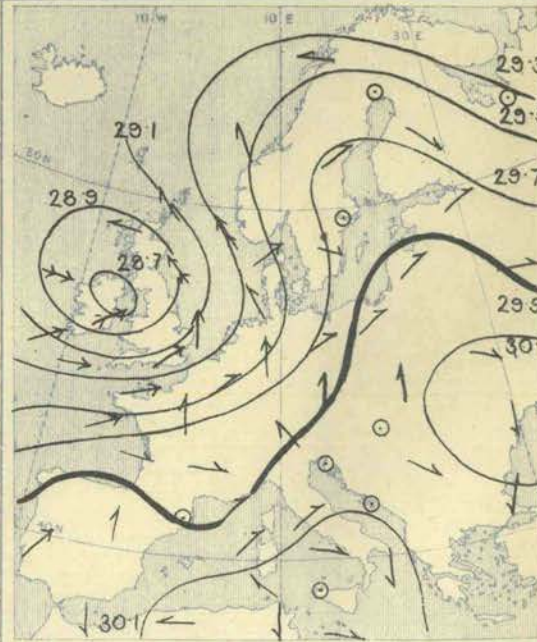
Temperature risen rapidly over the northern and central parts of Great Britain, and to a less extent in the west and south of our Islands; fallen over central Europe. Morning readings highest, 72° at Athens, 71° at Sfax, and 68° at Algiers; above 60° over southern Europe generally, and above 55° in the southern parts of our Islands. Lowest, 11° at Haparanda, 13° at Archangel, 14° at Kuopio, and 22° at Uleaborg, below 40° at most of the German stations. Rising during day to 55° and upwards over many parts of the United Kingdom, and reaching 60° at Hurst Castle and 63° at Jersey. Exceeding 60° also in the west and south of France, and exceeding 70° in Spain and Italy.

Barometer and Wind.

8 a.m.



6 p.m.



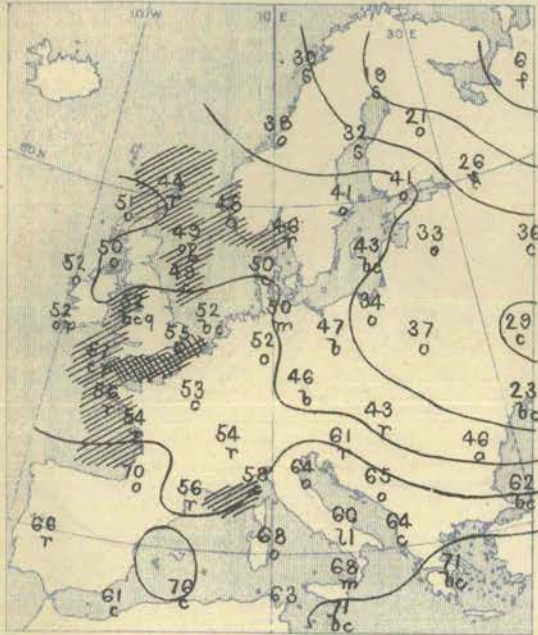
Wind South-Easterly or Southerly over the greater part of western Europe, but Northerly in the west of Ireland; strong to a gale in force on our western coasts generally, and also in the extreme north of Scotland. Light to moderate from the South-Westward in Sweden, and from the North-Westward in Russia. Calm or variable over Germany, Austria, and the south of France; light from the Southward at the Greek stations. Subsequently veering to the South-Westward or Westward over the west and south of our Islands and the west of France, and increasing to a strong gale over the English Channel.

Barometer highest, 30.1 ins. to 30.2 ins. in an anticyclone lying over the Mediterranean, and spreading northwards in the form of a "ridge" across the Adriatic and Austria to eastern Germany and the Baltic. Lowest, 28.7 ins. and less in a deep depression having its centre over the extreme south of Ireland; 29.3 ins. and less in another disturbance over northern Russia. Irish depression subsequently moving north-eastwards, and barometer rising on our west and south-west coasts; secondary disturbances passing across England during day.

Thursday, 25th October.

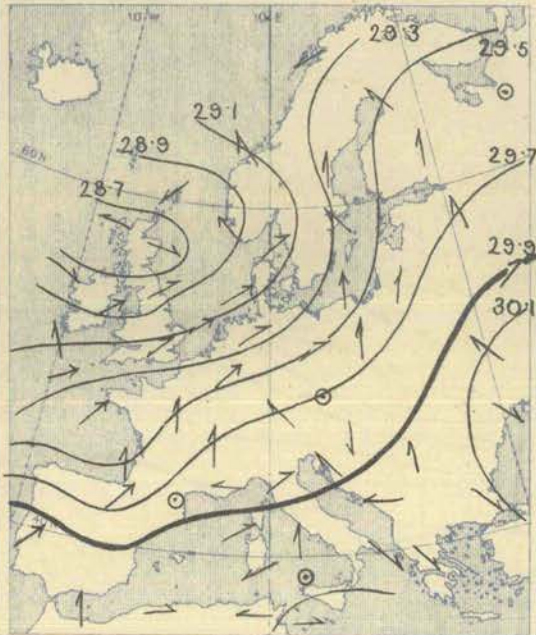
Temperature and Weather.

8 a.m.

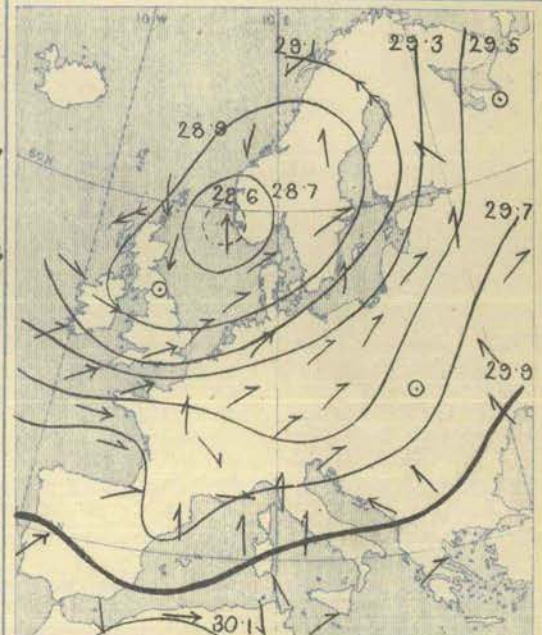


Barometer and Wind.

8 a.m.



6 p.m.



Weather squally and showery over our Islands generally, and rainy in the extreme north of Scotland. Dull and unsettled in most of the Continental countries, with rain in many places, snow over the northern parts of Scandinavia and at St. Petersburg, and a thunderstorm at Naples. Rain falling during day over the whole of Europe, and heavy snow in the north of Scandinavia; lightning seen over the south of England at night, and thunder occurring at Fano.

Temperature fallen over England, Ireland, and France, but risen in most other countries. Morning readings highest, 76° at Algiers, 72° at Barcelona, and 71° at Malta and Sfax; above 60° over southern Europe generally. Lowest, 6° at Archangel, 15° at Uleaborg, 19° at Haparanda, and 21° at Kuopio; below the freezing point in many parts of Russia and Scandinavia. Rising during day to 55° and upwards over the greater part of Ireland and England, and reaching 61° at Jersey and Hurst Castle. Exceeding 70° over Spain, Italy, and the south of France, and reaching 79° at Malta.

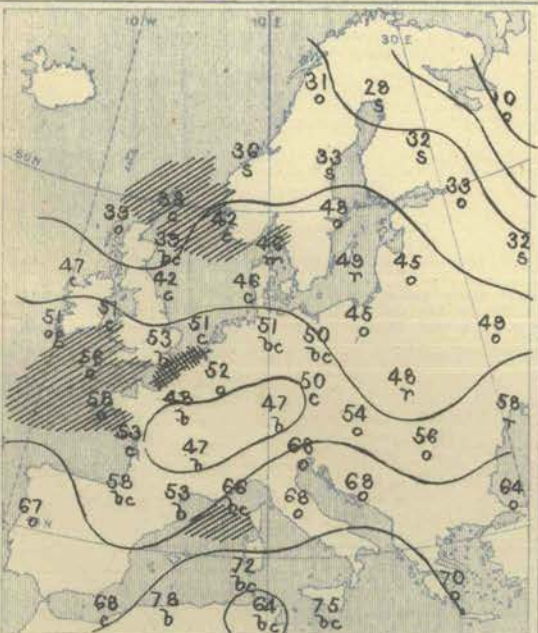
Wind South-Westerly over a considerable portion of western and central Europe, and strong in force in many places, with a gale in the Straits of Dover. South-Easterly or Easterly in Scandinavia, Easterly or North-Easterly in the extreme north of Scotland. Variable in Austria and the south of Russia, Southerly or South-Westerly in Italy, variable in the south of France. Subsequently increasing to a fresh to strong gale from the Westward or South-Westward over the eastern parts of the Channel generally, and to a fresh gale from the North-Eastward in the Hebrides.

Barometer highest, 30.2 ins. and upwards in an anticyclone lying over the south of Russia, 30.1 ins. and upwards in another system over the central parts of the Mediterranean. Lowest, 28.7 ins. and less in a large depression over Scotland and the adjacent parts of the North Sea. Depression subsequently travelling in an east-north-easterly direction across the North Sea, barometer rising in all parts of the United Kingdom, but falling quickly in Scandinavia.

Friday, 26th October.

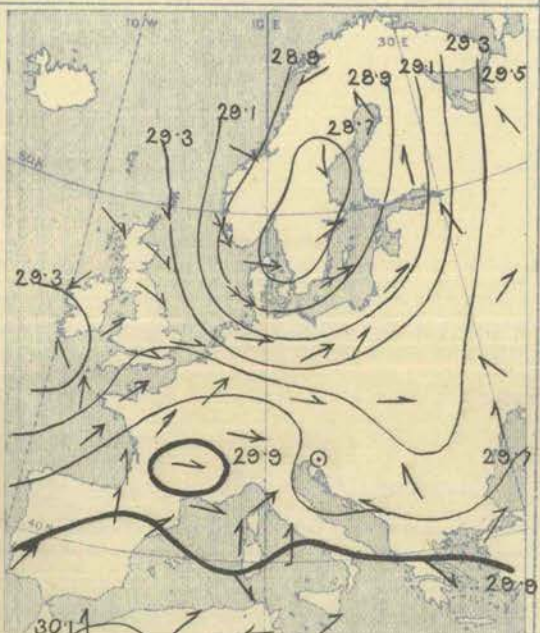
Temperature and Weather.

8 a.m.

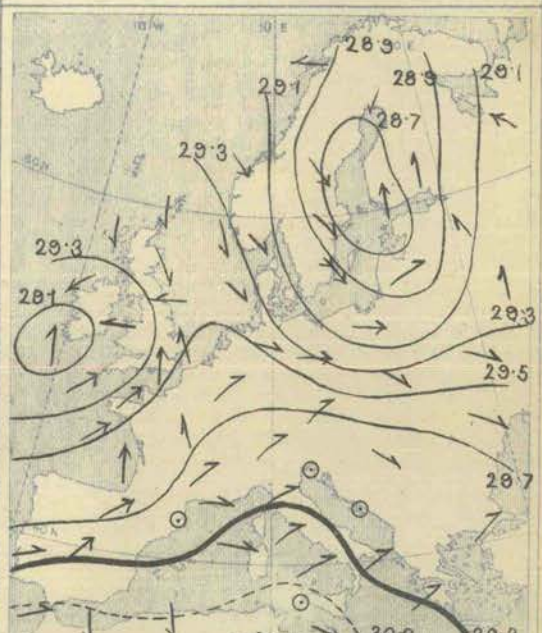


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in the south-east of England and the north and east of Scotland, but dull in other parts of the United Kingdom, with rain at Roche's Point. Fine over the greater part of France and Spain, but dull in the other Continental countries, with rain in Denmark, north Germany, and the south of Russia, and with snow over Sweden, Finland, and at Moscow. Rain extending later to nearly all parts of the United Kingdom and France, the largest amounts being 1.0 in. at Holyhead and 0.8 in. at York and Scilly. Lightning seen at Prawle Point and Biarritz at night. Sky clearing in Scandinavia and Denmark.

Temperature fallen in Great Britain, France, and Norway, risen in most other countries. Morning readings highest, 78° at Algiers, 75° at Barcelona and Malta, and 72° at Cagliari, above 65° over southern Europe generally. Lowest, 10° at Archangel, 28° at Haparanda, and 31° at Bodø; below 40° in many parts of Russia and Scandinavia, as well as in Scotland. Rising during day to between 55° and 59° at most of the English and French stations, and reaching 63° in London, exceeding 70° over southern Europe generally, the highest reading of all being 91° at Palermo.

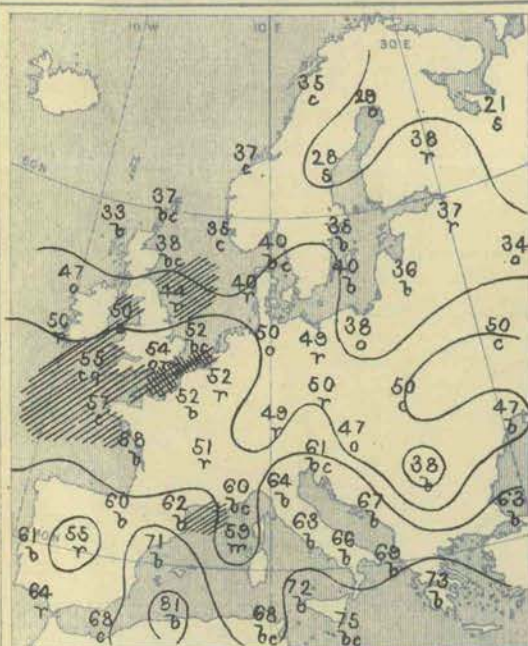
Wind moderate to strong from the Southward over the Spanish Peninsula, the Bay of Biscay, and the south-west of our Islands, but Easterly or North-Easterly in the north of Ireland. Light from the North-Westward on our north and east coasts, strong to a gale from the same quarter on the eastern shores of the North Sea, and from the South-Westward over north Germany and the Baltic; Southerly over Russia, Easterly in the north of Scandinavia. Chiefly Southerly in Italy and Algeria. Very strong South-Westerly winds setting in later over the Channel, and North-Westerly gale in the south of Sweden.

Barometer highest, 30.0 ins. to 30.1 ins. and upwards over Algeria. Lowest, 28.7 ins. and less in a depression over Sweden (gradients steep over northern Europe generally); 29.3 ins. and less in another disturbance lying over the extreme south-west of our Islands. Swedish depression subsequently moving north-eastwards; disturbance in south-west spreading eastwards, and barometer falling in nearly all parts of the United Kingdom.

Saturday, 27th October.

Temperature and Weather.

8 a.m.

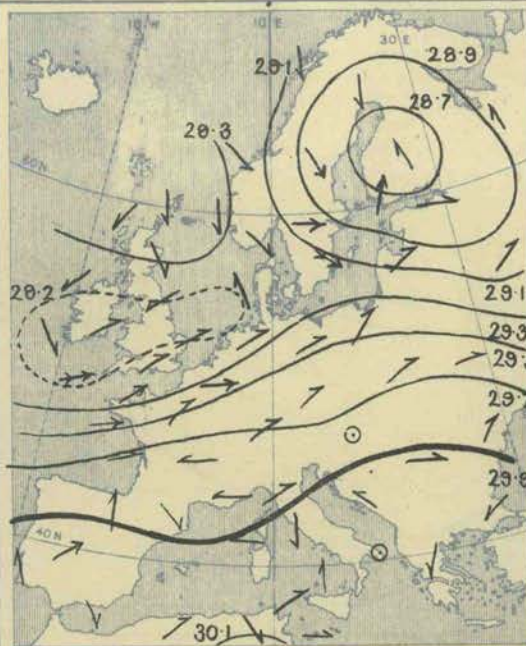


Weather in morning changeable and showery over Ireland and England, but fine in the north of Scotland. Fine in France, Italy, and the south of Russia, as well as in the south of Scandinavia; cloudy or overcast in most other parts of the Continent, with rain in Belgium, Germany, and Finland, and snow over the north of Sweden and at Helsingfors. Rain falling during day in nearly all parts of western Europe, heavily at some of the English and French stations, with thunder in the north of London and at Paris. Bright aurora seen in the north of Scotland.

Temperature fallen in most countries. Morning readings highest, 81° at Algiers, 77° at Barcelona, 75° at Malta, and 78° at Athens; above 60° over southern Europe generally, and above 55° in the extreme south of England. Lowest, (1) 21° at Archangel, 28° at Helsingfors, 29° at Haparanda; (2) 28° at Nairn and 32° at Wick; below 40° in the north of Scotland generally. Daily maxima below 50° at most of our western and northern stations, but thermometer exceeding 55° in the south and east of England, and reaching 61° at Jersey. Exceeding 70° in nearly all parts of southern Europe, the highest reading of all being 88° at Palermo.

Barometer and Wind.

8 a.m.



WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 44.]
Third Series.

WEEK ENDING SATURDAY, NOVEMBER 3RD, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 260.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	25	52.7	40.6	46.5	3 above	Day-deg. 37	Day-deg. +12	Day-deg. 4	Day-deg. - 6	Day-deg. 2086	Day-deg. +306	Day-deg. 554	Day-deg. - 32
	1. SCOTLAND, EAST	63	22	53.7	38.4	45.8	3 above	42	+14	10	- 3	2186	- 81	656	+ 36
	2. ENGLAND, N.E.	62	31	54.6	43.7	49.0	4 above	49	+17	0	- 8	2434	+ 26	470	- 65
	3. ENGLAND, EAST.	63	35	56.5	46.2	51.2	6 above	64	+28	0	-11	2860	+ 58	480	-128
	4. MIDLAND COUNTIES.	64	31	56.4	46.0	51.1	7 above	64	+30	0	-12	2797	+ 54	499	-112
5. ENGLAND, SOUTH	65	41	58.3	50.9	54.5	8 above	88	+44	0	- 7	3168	+132	310	-139	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	60	30	53.9	43.8	48.7	4 above	47	+15	0	- 8	2376	+ 33	381	- 62
	7. ENGLAND, N.W.	62	39	56.0	47.2	51.5	5 above	67	+31	0	- 6	2722	+190	309	-131
	8. ENGLAND, S.W.	61	32	57.1	49.9	53.5	6 above	81	+35	0	- 3	2954	+132	241	- 86
	9. IRELAND, NORTH	62	33	55.5	45.0	50.1	5 above	57	+22	0	- 7	2543	+ 49	357	- 30
	10. IRELAND, SOUTH	63	32	57.1	46.1	51.5	5 above	67	+23	0	- 6	2879	+ 68	228	- 75
	-CHANNEL ISLANDS	62	49	59.5	53.2	56.3	6 above	100	+37	0	0	3535	+303	94	- 18

DISTRICTS. (See p. 260.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.					For the Week.				From December 31st, 1893.			
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in. 11	10ths of ins. 2 less	189	-14	Ins. 41.3	+ 1.0	5	-13	7	-23	1001	+115	32	+ 3	
	1. SCOTLAND EAST	5	13	6 more	173	+ 6	30.3	+ 3.7	12	+ 1	19	+ 1	1218	+ 53	34	+ 2	
	2. ENGLAND, N.E.	5	6	1 less	179	+24	23.2	+ 1.0	8	- 8	12	-12	1218	+ 79	31	+ 2	
	3. ENGLAND, EAST.	5	8	2 more	174	+23	22.0	+ 0.2	13	- 6	20	- 9	1347	- 63	34	- 2	
	4. MIDLAND COUNTIES.	6	13	6 more	165	+15	22.1	- 2.2	11	- 6	17	- 8	1227	- 90	31	- 1	
5. ENGLAND, SOUTH	7	23	16 more	165	+20	26.2	+ 3.2	13	- 5	20	- 8	1444	- 53	25	- 1		
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	24	12 more	176	+ 1	30.8	- 1.3	12	- 2	20	- 2	1284	+ 33	32	+ 1	
	7. ENGLAND, N.W.	7	11	2 more	174	+12	30.1	+ 0.9	9	- 2	14	- 4	1170	+ 50	32	+ 1	
	8. ENGLAND, S.W.	7	26	16 more	177	+10	34.7	+ 1.4	9	-12	13	-17	1499	- 22	37	- 1	
	9. IRELAND, NORTH	7	10	2 more	194	+ 4	31.6	+ 1.6	18	+ 7	28	+11	1174	+ 53	30	+ 1	
	10. IRELAND, SOUTH	7	20	11 more	177	+ 4	35.4	+ 3.1	19	0	28	0	1256	- 83	32	- 2	
	-CHANNEL ISLANDS	7	12	2 more	184	+ 7	30.1	+ 2.8	14	- 8	21	- 9	1642	- 94	42	- 3	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued in a very unsettled condition in all parts of our Islands, with further heavy falls of rain in all the southern and south-western districts, and considerable quantities over the country as a whole. Thunderstorms occurred in several parts of England on the 29th.

Temperature was much above the mean, the excess ranging from 3° or 4° in Scotland, to 5° in Ireland, to 6° in England E. and S.W. and the Channel Islands, to 7° in the Midland Counties, and to 8° in England S. The highest of the maxima were recorded on November 1st, when the thermometer rose to 65° in England S. (in London), to 64° in the Midland Counties, and to between 60° and 63° elsewhere. The lowest of the minima were registered, as a rule, on October 29th, and varied from 22° to 30° in Scotland, from 32° to 33° in Ireland, and from 31° to 41° in England. In the Channel Islands the lowest reading was 49°.

Rainfall was somewhat less than the mean in Scotland N. and England N.E., but in all other districts there was an excess, that in Scotland E. and W., Ireland S., and England S.W. and S. being again very large. In the last-mentioned district the fall was more than three times as much as the mean.

Bright Sunshine was very little prevalent, excepting at some stations in Ireland N. The percentage of the possible duration ranged from 7 to 20 in Scotland and from 12 to 20 in England, while in Ireland the percentage was 28.

Barometer and Wind.—Depressions continued to reach our coasts from the Atlantic and to extend eastwards over the Kingdom, causing moderate to strong Southerly to South-Westerly winds to prevail over Ireland and England, and South-Westerly to South-South-Easterly winds of varying strength over Scotland.

II.—DATA from which the SUMMARY on page 259 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
Inches. Inches.																
0. SCOTLAND, N.	Sumburgh Head	54	33	50.9	42.3	46.5	+ 3.2	32	0	5	0.64	- 0.34	*	*	*	*
	Stornoway	56	32	52.3	41.9	47.0	+ 3.6	35	0	6	1.66	+0.54	0.8	-13.2	1	-23
	Wick	56	30	53.0	41.4	47.0	+ 3.8	38	2	5	0.67	-0.03	*	*	*	*
	Glencarron	58	31	52.3	38.1	45.0	+ 2.9	37	11	6	1.22	-1.02	*	*	*	*
	Fort Augustus	60	25	53.9	38.1	45.8	+ 2.8	43	11	6	0.97	+0.04	6.3	?	10	?
	Fort William	60	32	54.0	42.0	47.8	+ 3.8	41	0	7	1.53	-0.19	6.7	?	11	?
1. SCOTLAND, E.	Nairn	61	23	55.4	34.4	44.6	+ 1.7	50	21	2	0.33	-0.18	*	*	*	*
	Aberdeen	63	31	54.6	40.1	47.1	+ 3.4	44	5	4	1.04	+0.33	18.0	+ 0.9	29	+ 1
	Braemar	55	22	49.7	34.5	41.9	+ 1.8	22	30	5	2.03	+1.13	9.0†	7†	14†	7†
	Ochertyre	57	27	53.4	39.7	46.3	+ 3.7	40	6	7	2.46	+1.44	*	*	*	*
	Leith	62	33	55.9	40.1	47.8	+ 2.9	49	5	5	0.46	-0.08	*	*	*	*
	Marchmont	56	32	52.9	41.4	47.0	+ 4.5	33	2	6	1.59	+0.77	8.3	?	13	?
2. ENGLAND, N.E.	Alnwick Castle	58	32	52.9	42.4	47.5	+ 3.1	39	0	6	0.94	+0.18	*	*	*	*
	Durham	61	31	53.8	41.3	47.6	+ 3.9	40	1	7	0.41	-0.24	5.6	-10.6	9	-16
	Shields	62	37	55.0	44.1	49.4	+ 4.5	52	0	5	0.55	+0.01	*	*	*	*
	Scarborough	59	36	54.5	44.0	49.1	+ 3.4	50	0	5	0.64	-0.06	*	*	*	*
	York	62	31	56.7	43.3	49.8	+ 5.3	55	0	5	0.40	-0.20	9.0	- 5.6	14	- 8
	Spurn Head	61	40	54.9	46.3	50.5	+ 4.3	60	0	3	0.39	-0.14	*	*	*	*
3. ENGLAND, E.	Hillington	61	36	56.5	45.5	50.8	+ 6.0	62	0	4	0.38	-0.24	13.7	- 3.2	21	- 6
	Yarmouth	59	41	54.7	46.6	50.5	+ 4.6	60	0	4	0.52	-0.18	*	*	*	*
	Geldeston	61	35	56.3	45.1	50.7	+ 4.9	61	0	5	0.47	-0.13	12.5	- 7.7	19	-11
	Cambridge	63	40	58.0	46.1	51.9	+ 7.1	69	0	6	0.72	+0.22	13.2	- 6.1	20	-10
	Rothamsted	62	41	56.9	47.6	52.1	+ 7.8	71	0	7	1.74	+1.10	11.9	?	18	?
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	64	31	56.7	43.1	49.7	+ 5.3	54	0	4	0.47	-0.08	*	*	*	*
	Loughborough	63	42	57.1	46.4	51.6	+ 6.9	67	0	6	0.40	-0.19	*	*	*	*
	Stanford (Ketton Hall)	63	33	56.7	44.6	50.5	+ 5.8	60	0	7	0.72	+0.09	*	*	*	*
	Cheadle	61	38	54.5	44.4	49.3	+ 6.1	51	0	6	0.60	-0.22	*	*	*	*
	Churchstoke	60	38	56.0	45.7	50.7	+ 6.7	61	0	7	1.73	+0.93	13.3	- 2.6	29	- 4
	Hereford	58	39	56.1	46.7	51.3	+ 6.2	65	0	7	1.52	+0.92	*	*	*	*
	Cirencester	63	40	57.6	47.7	52.5	+ 8.7	74	0	7	2.80	+2.12	8.2	- 9.8	12	-15
	Oxford	60	43	56.7	49.1	52.8	+ 7.6	76	0	6	1.75	+1.23	12.1	- 6.6	18	-10
5. ENGLAND, S.	London	65	44	59.3	49.9	54.5	+ 8.4	88	0	6	2.30	+1.78	11.3†	- 1.8†	17†	- 3†
	North Foreland	59	47	57.4	50.3	53.8	+ 7.0	83	0	7	1.46	?	*	*	*	*
	Strathfield Turgiss	62	42	58.2	49.1	53.5	+ 8.5	81	0	7	2.15	+1.57	*	*	*	*
	Dungeness	59	50	58.1	51.9	54.9	+ 7.1	90	0	7	2.23	+1.46	*	*	*	*
	Hastings (St. Leonards)	60	48	59.2	51.6	55.3	+ 7.4	93	0	7	3.29	+2.47	16.5	- 5.5	25	- 8
	Southampton	62	45	58.9	52.0	55.4	+ 8.6	94	0	7	2.52	+1.84	10.5	- 9.5	16	-13
	Hurst Castle	61	50	58.6	53.1	55.8	+ 7.7	97	0	7	2.12	+1.40	*	*	*	*
	Stowell	59	41	56.6	49.3	52.8	+ 7.7	76	0	7	2.53	?	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	30	54.4	42.1	48.1	+ 3.7	43	0	7	1.85	-0.07	*	*	*	*
	Glasgow	58	36	52.8	43.6	48.1	+ 4.3	43	0	6	1.85	+0.97	12.4	+ 2.4	20	+ 5
	Ardrossan	55	37	53.0	42.9	47.8	+ 2.1	41	0	6	1.75	+0.86	*	*	*	*
	Glenlee	60	31	54.1	42.7	48.2	+ 5.4	43	0	7	4.57	+3.25	*	*	*	*
	Douglas (Isle of Man)	58	40	55.2	47.5	51.2	+ 5.3	64	0	7	2.15	+1.13	12.1	- 6.0	19	- 9
7. ENGLAND, N.W.	Stonyhurst	59	40	54.0	45.8	49.8	+ 5.0	55	0	6	0.78	-0.32	12.8	- 0.9	29	- 2
	Blackpool	60	39	55.9	45.3	50.4	+ 4.7	59	0	7	1.38	+0.51	8.4	- 5.9	13	- 9
	Manchester (Prestwich)	59	40	56.3	46.0	51.0	+ 6.4	63	0	7	1.33	+0.41	4.4	?	7	?
	Liverpool Obsy. (Bidston)	61	44	56.4	47.1	51.6	+ 5.5	67	0	6	0.87	+0.14	*	*	*	*
	Llandudno	62	45	57.5	49.7	53.5	+ 5.9	81	0	7	0.50	-0.30	14.4	+ 0.7	22	+ 1
	Holyhead	58	44	56.1	49.4	52.7	+ 4.4	75	0	6	1.83	+0.87	*	*	*	*
8. ENGLAND, S.W.	Llandovery	59	32	56.9	45.0	50.8	+ 5.2	62	0	7	4.12	+2.57	*	*	*	*
	Pembroke	57	46	56.1	51.6	52.8	+ 4.9	83	0	6	2.05	+1.16	6.2	-11.8	9	-19
	Bristol (Montpelier)	61	45	58.7	50.9	54.7	+ 3.9	89	0	7	1.88	+1.12	*	*	*	*
	Arlington (N. Devon)	60	41	56.4	47.6	51.9	+ 5.7	69	0	7	3.70	+2.25	*	*	*	*
	Cullompton	60	41	57.7	49.9	53.7	+ 7.1	82	0	7	2.07	+1.29	7.8	- 8.2	12	-11
	Falmouth	59	46	57.0	51.3	54.1	+ 4.7	85	0	7	2.11	+0.86	8.8	-13.8	13	-19
	Plymouth	58	46	57.3	51.6	54.4	+ 5.9	87	0	7	2.66	+1.73	6.2	-12.0	9	-18
	Prawle Point	58	47	56.9	51.6	54.2	+ 5.5	85	0	7	1.93	+1.13	*	*	*	*
9. IRELAND, N.	Malin Head	60	41	55.1	46.9	50.9	+ 6.0	62	0	5	0.48	?	*	*	*	*
	Londonderry	62	39	56.7	45.0	50.7	+ 5.7	61	0	7	0.87	-0.11	*	*	*	*
	Edenfel (Omagh)	61	34	55.0	44.9	49.8	+ 6.2	55	0	7	0.73	-0.08	*	*	*	*
	Belmullet	58	40	54.4	46.7	50.4	+ 4.0	59	0	7	2.17	?	*	*	*	*
	Markree Castle	62	33	57.0	42.3	49.4	+ 4.6	52	0	7	0.49	-0.41	24.9	+ 8.4	38	+13
	Brookeborough	60	39	55.3	44.7	49.8	+ 6.3	55	0	7	1.64	+0.09	*	*	*	*
	Armagh	62	39	55.9	44.7	50.1	+ 6.0	57	0	7	0.64	-0.01	20.1	+ 5.3	31	+ 8
	Donaghadee	60	37	54.6	44.9	49.6	+ 3.7	53	0	6	1.44	+0.69	*	*	*	*
	Edgeworthstown															
10. IRELAND, S.	Dublin	63	39	56.8	47.6	52.1	+ 5.5	71	0	7	0.79	+0.14	24.0	+ 4.5	36	+ 6
	Parsonstown	62	34	57.0	43.0	49.8	+ 4.8	55	0	7	1.06	+0.38	18.3	+ 0.7	28	+ 1
	Kilkenny	61	32	57.1	43.4	50.1	+ 3.9	57	0	7	1.53	+0.85	*	*	*	*
	Roche's Point	58	42	56.7	48.7	52.6	+ 3.9	74	0	7	3.55	+2.58	*	*	*	*
	Valencia	60	42	57.4	49.3	53.2	+ 3.9	78	0	7	2.74	+1.36	14.0	- 5.6	21	- 6
	Killarney	61	36	58.1	45.6	51.7	+ 4.3	68	0	7	3.13	?	*	*	*	*
	Foynes	61	40	56.9	45.2	50.9	+ 5.0	62	0	7	1.20	?	*	*	*	*
CHANNEL ISLANDS.	Scilly (St. Mary's)	59	49	58.3	52.0	55.1	+ 4.1	92	0	7	1.83	+0.04	11.9	?	18	?
	Jersey	62	51	60.6	54.4	57.4	+ 7.4	108	0	7	0.52	-0.54	15.3	- 7.7	23	- 9

Stations marked *fit* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

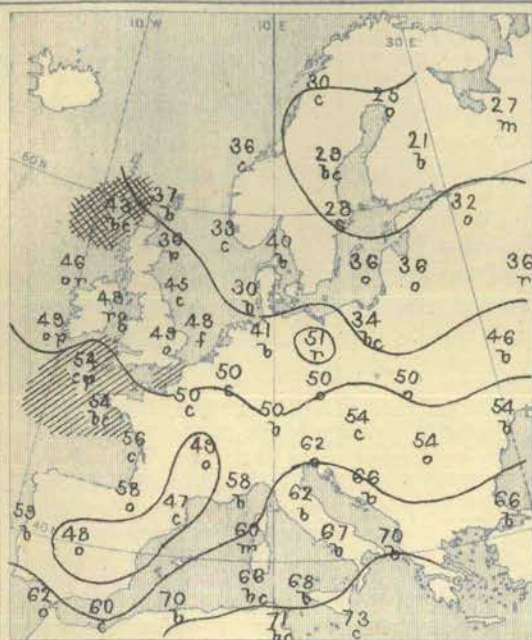
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 28th October.

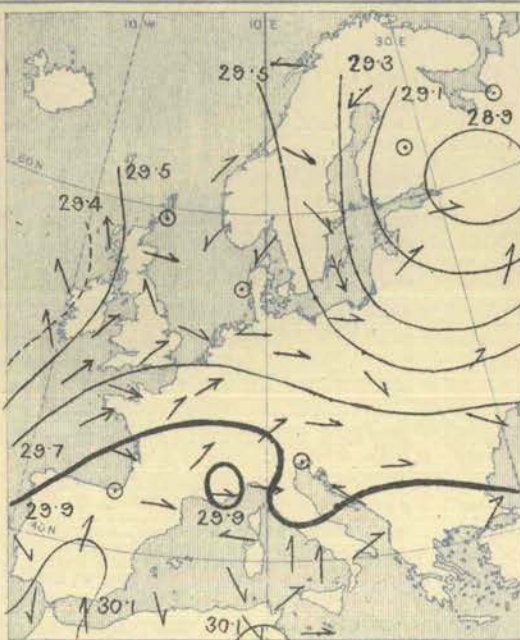
Temperature and Weather.

8 a.m.

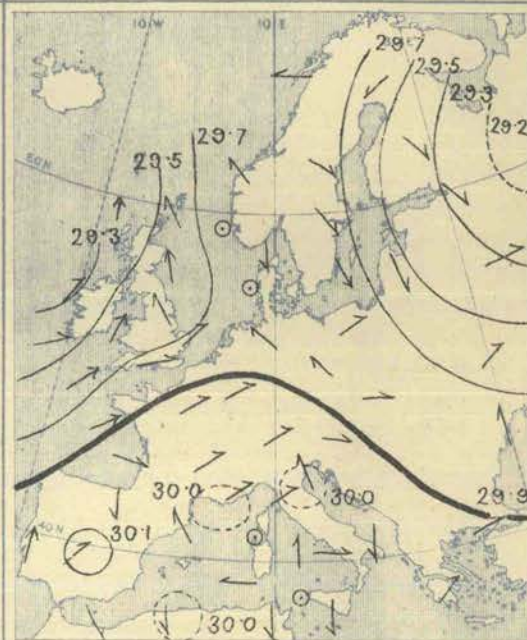


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or overcast in most parts of our Islands and France, with rain or passing showers at several of our western stations. Fine and bright over Denmark and the greater part of Scandinavia, but dull in the south of Sweden, with snow at Stockholm. Fine in Spain and Italy, dull in Austria and Russia, with rain at Moscow. Rain falling later over the whole of our Islands and their immediate neighbourhood, amount large at some western stations. Thunder and lightning occurring at Roche's Point at night, and lightning only at Prawle Point.

Temperature fallen generally, but risen in the north of Scotland, as well as in Austria and the south of Russia. Morning readings highest, 73° at Malta, 71° at Sfax, and 70° at Brindisi and Algiers; above 60° over southern Europe generally. Lowest, 21° at Kuopio, 26° at Helsingfors, 27° at Archangel, and 28° at Stockholm, below the freezing point in most parts of Scandinavia and northern Russia, and as low as 32° at Nairn. Daily maxima below 50° in Scotland, but above 55° on the south coasts of Ireland and England, and above 60° at many of the French stations, the highest reading of all being 70° at Nice and Perpignan.

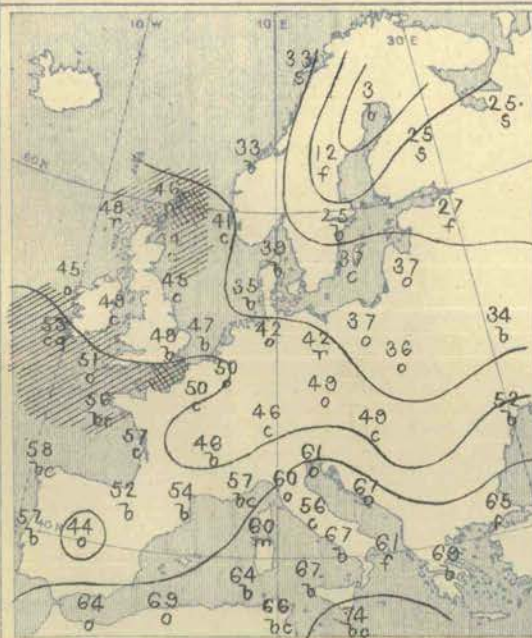
Wind light to fresh from the Southward or South-Eastward in Ireland and Scotland; South-Westerly or Westerly over the south of England, as well as over France and the greater part of central and south-eastern Europe. Variable in Norway; Northerly or North-Westerly over Sweden and Finland, light from the Southward or South-Westward in Italy. Subsequently increasing to a strong gale from the Southward or South-Eastward in the north and east of Scotland, no important change occurring elsewhere.

Barometer highest, 30.0 ins. to 30.1 ins. over the Mediterranean and the central and southern parts of Spain and Italy. Lowest, 28.9 ins. and less in a well-marked depression over northern Russia; 29.4 ins. and less in a new disturbance approaching our western coasts. Latter system subsequently advancing slowly eastwards and barometer falling in all but the south-eastern parts of the United Kingdom.

Monday, 29th October.

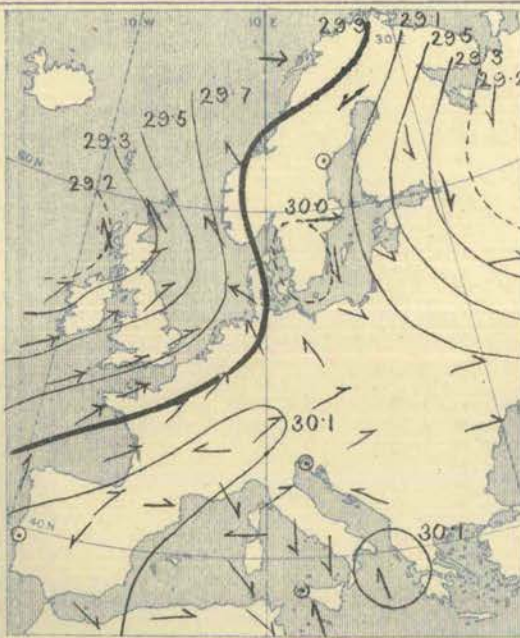
Temperature and Weather.

8 a.m.

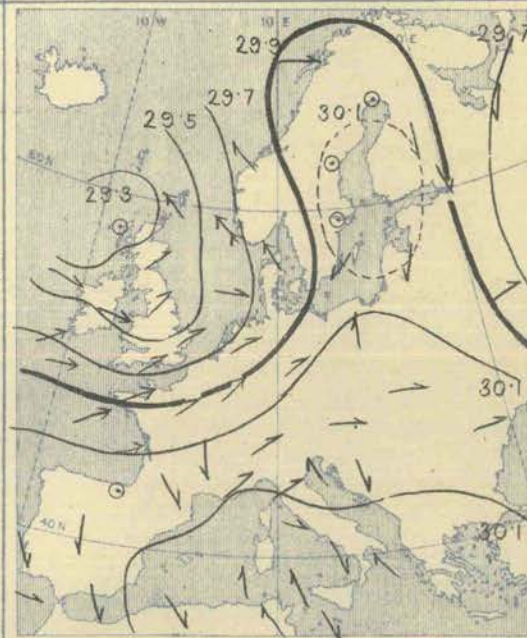


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull and rainy in the north of Scotland. Dull also at most of the German and Russian stations, with rain at Berlin and with snow at Archangel and Kuopio, as well as at Bodø. Showers falling during day in nearly all parts of the United Kingdom, heavily in places, and heavy rain at Brussels. Thunderstorms occurring over the northern parts of England and Wales, and lightning seen at night at many of our central and southern stations.

Temperature risen in the north of our Islands, fallen in most other localities. Morning readings highest, 74° at Malta, 72° at Sfax, and 69° at Athens and Algiers; above 60° at most of the Italian and Mediterranean stations. Lowest, 3° at Haparanda, 10° at Uleaborg, 12° at Herneborg, and 25° at Archangel, Stockholm, and Carlstadt; below 40° over nearly the whole of Russia, Denmark, and Scandinavia. Rising during day to 55° and upwards in many parts of Great Britain, and reaching 61° at Jersey, exceeding 65° in the south of France. Frost occurring in the north of Scotland at night.

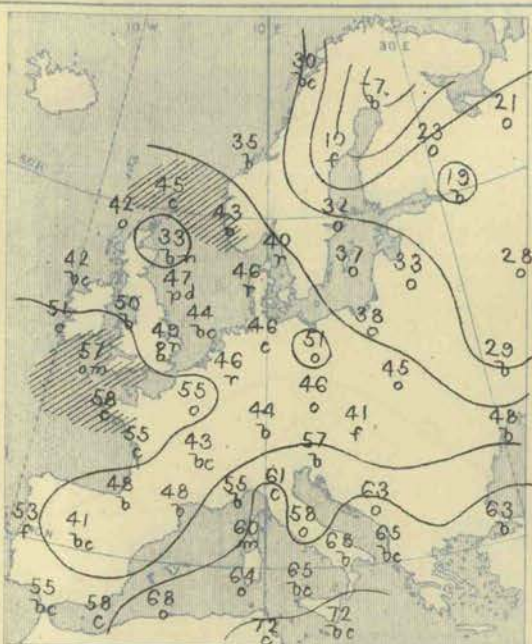
Wind South-Westerly over Ireland, England, and France; strong to a moderate gale in force on many parts of our western and southern coasts. South-Easterly in the north of Scotland (with a gale at Wick), and also in Denmark, Germany, and the south of Norway. Northerly in the north of Russia, but Westerly in the south of that country. Variable in Spain, Italy, and Austria, as well as at most of the Mediterranean stations. Subsequently veering to the Westward in the west of our Islands; no important change occurring elsewhere.

Barometer highest, 30.0 ins. to 30.1 ins. and upwards in a large anticyclone covering the whole of southern and the greater part of central Europe; 29.9 ins. and less in a "ridge" extending northwards over Scandinavia. Lowest, 29.3 ins. and less in a depression off the west of Scotland; 29.4 ins. and less in another disturbance over northern Russia. Scotch depression subsequently moving slowly eastwards, but beginning to fill up. Shallow secondary disturbances passing across Ireland and England.

Tuesday, 30th October.

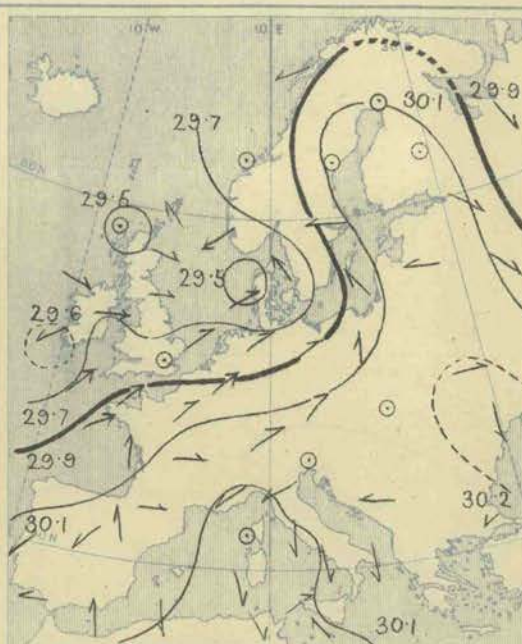
Temperature and Weather.

8 a.m.

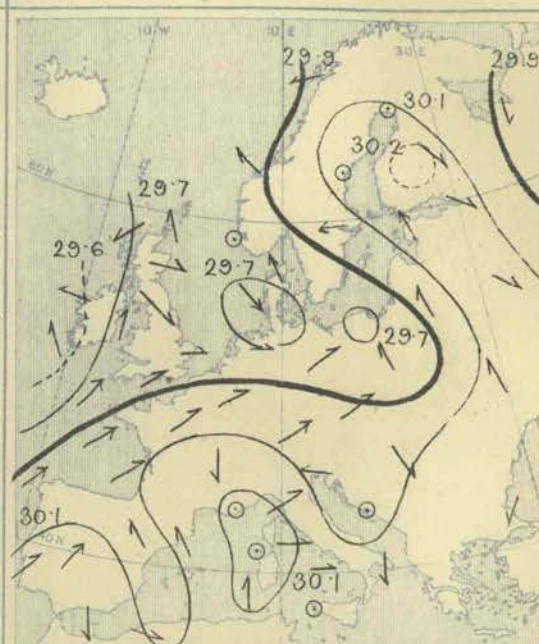


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull and rainy in the extreme southern parts of Ireland and England, showery on our north-east coasts, fine in most other parts of the United Kingdom. Fine in the north of Scandinavia and also in Spain and the southern parts of France, Italy, and Russia; cloudy in most other parts of the Continent, with rain in Belgium and Denmark, sleet at Faerder, snow at Carlstadt. Rain continuing steadily all day in the southern parts of the United Kingdom, in Belgium, and the north-east of France; amounts exceeding an inch in many places, and 2.1 ins. at Cape Gris Nez. Thunder at Spurn Head; bright aurora in the north of Scotland.

Temperature fallen in most places. Morning readings highest, 72° at Malta and Sfax, 68° at Naples and Algiers, and 65° at Brindisi and Palermo; above 60° at the Mediterranean stations generally. Lowest, - 7° Fahr. at Haparanda, + 10° at Hernösand, 14° at Uleaborg, and 15° at Hangö, below the freezing point in most parts of Russia and Scandinavia. Daily maxima below 55° in all the more eastern parts of our Islands, but above it on our south and south-west coasts; exceeding 60° in the west and south of France, 72° at Biarritz.

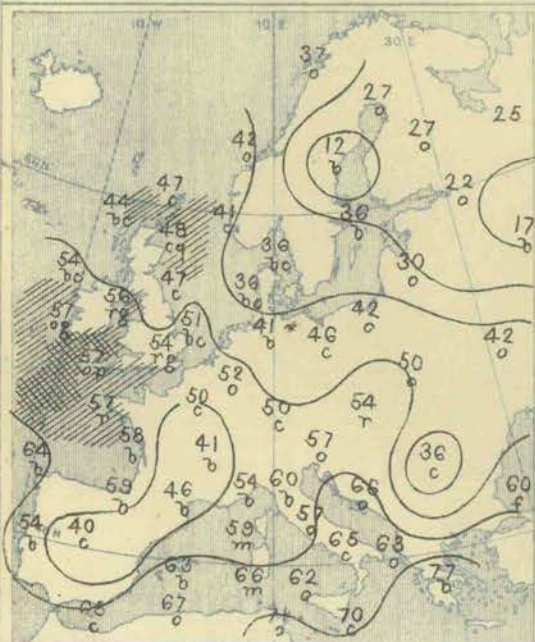
Wind variable in the north of Scotland and Easterly in the south of Ireland, but South-Westerly or Westerly in nearly all other parts of our Islands, as well as over Denmark, Germany, the Netherlands, and the north of France. Southerly or South-Easterly over eastern Germany and the Baltic, Easterly in the south of Scandinavia, calm in Finland and the north of Scandinavia. Northerly or North-Westerly over the central and southern parts of Russia, variable in Italy and the south of France, North-Easterly in Spain. Subsequently shifting to the South-Eastward or Southward in Ireland; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards over central Spain and also over the Black Sea and the south-west of Russia, 30.1 ins. and upwards over southern Europe generally, and also in a ridge extending northwards over western Russia to Finland and the Gulf of Bothnia. Lowest, 29.5 ins. and less in two small depressions lying respectively off the Danish coasts and over the extreme north of Scotland; 29.6 ins. and less in another small system off the south of Ireland. Irish depression subsequently moving northwards.

Wednesday, 31st October.

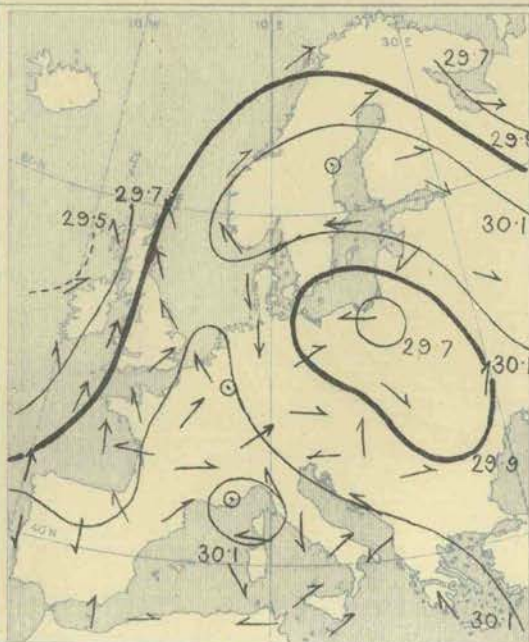
Temperature and Weather.

8 a.m.

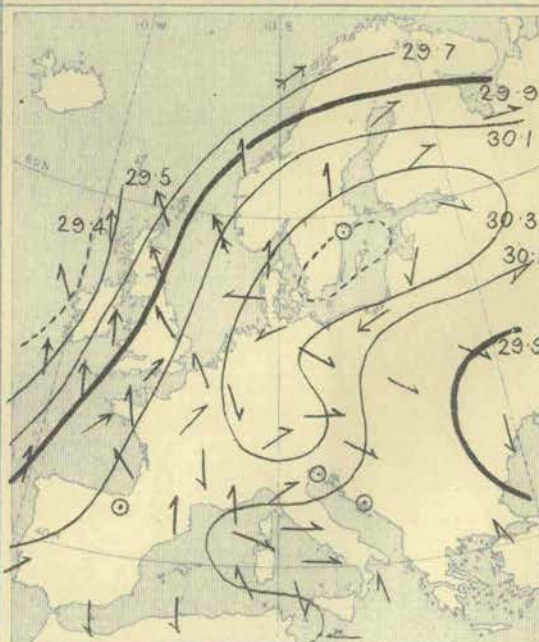


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the Mediterranean and France, and in most places clear and bright, as well as over Sweden and Denmark; very unsettled elsewhere, gloomy, misty, and rainy over the British Islands, dull over central Europe, with rain in Austria-Hungary, snow at Memel. Rain falling later in all parts of the British Islands and Norway, the amounts being large at Bodö and at several of our own western stations.

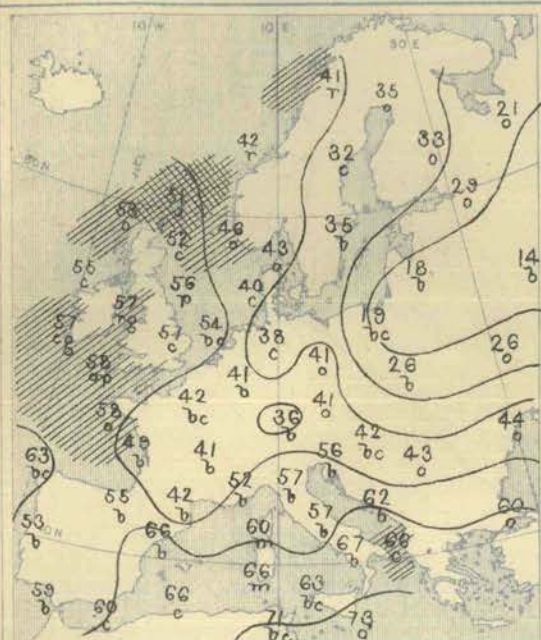
Temperature high at the western stations, low in the east. Morning readings highest, 77° at Athens, 71° at Sfax, and exceeding 60° over the Mediterranean and on the coasts of the Iberian Peninsula generally; 59° at Biarritz and Lorient, 57° at Jersey, Scilly, and Valencia. Lowest, (1) 17° at Moscow, 22° at St. Petersburg, 25° at Archangel, 30° at Memel; (2) 12° at Hernösand, 26° at Carlstadt. Rising later to 60° in several parts of our Islands, 62° at Parsonstown, 63° at Paris, and 75° at Perpignan.

Wind (1) Southerly and South-Easterly over the United Kingdom, and blowing very strongly at the western and northern stations, South-Westerly in the north of Scandinavia, Westerly at Archangel; (2) Easterly at Riga and Memel, Northerly over Denmark, Westerly over south Germany, Southerly in the south of Russia; (3) very light and variable over France and the Mediterranean. Increasing to a gale from the Southward at our western and northern stations, very little change elsewhere.

Barometer highest, 30.2 ins. and more to 30.1 ins. over the Mediterranean and France, and exceeding 30.1 ins. over many parts of Scandinavia, western and central Russia also. Lowest, about 29.5 ins. off our extreme north-west coasts; 29.7 ins. and less in a depression over eastern Prussia and Poland; and below 29.3 ins. over Lapland and the White Sea. Gradients steep for Southerly winds over the United Kingdom and for Easterly over the Baltic. Falling in the west of our Islands during day.

Temperature and Weather.

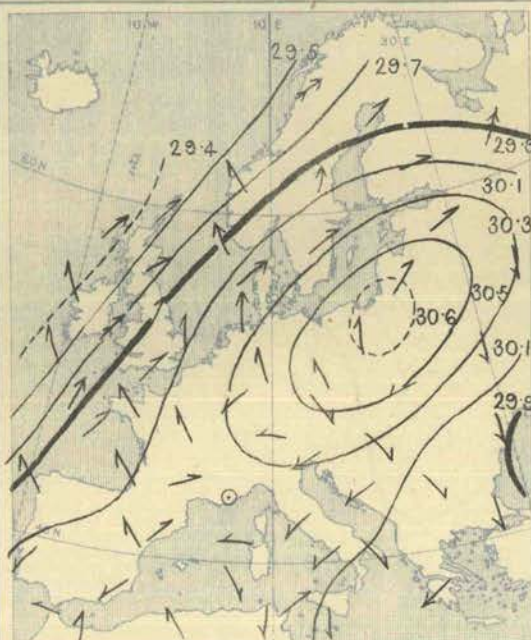
8 p.m.



Temperature risen decidedly over England, fallen over France and central Europe. Morning readings highest, 73° at Malta, and above 60° on the southern shores of the Mediterranean; 58° to 55° over Ireland and England and above 50° over Scotland. Rising later to between 60° and 65° over England, the last-named value being the highest recorded in London during November for about 47 years; touching 64° at Nice, 73° at Malta, 77° at Biarritz, and 81° at Palermo.

Barometer and Wind.

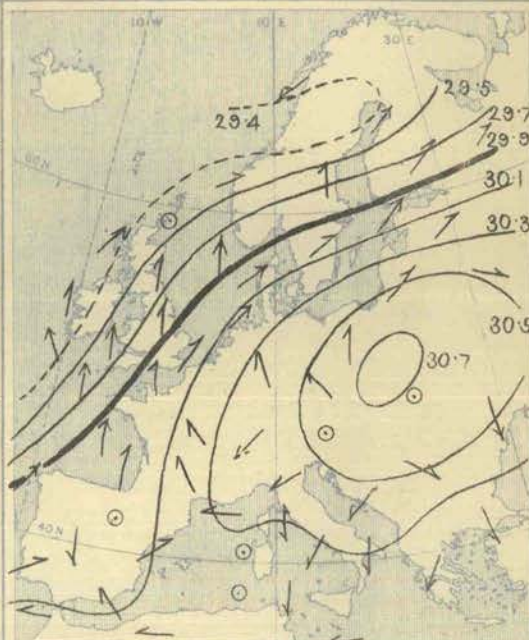
8 a.m.



Wind Northerly to Easterly over south-eastern and southern Europe, strong at Odessa, and Southerly over the British Islands and North Sea; strong to a gale in several places. South-Westerly, fresh to strong, over Finland. Anticyclonic breezes prevalent over central Europe and central Russia. No change of importance later.

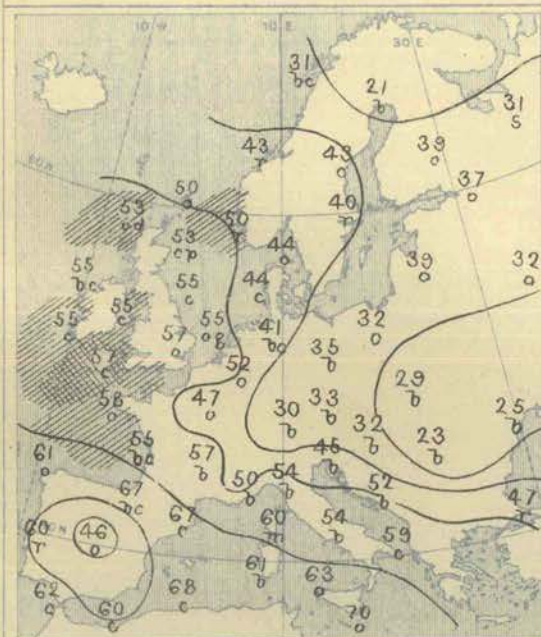
Barometer highest, 30·6 ins. to 30·2 ins. in a large anticyclone having its centre over eastern Prussia, and covering the whole of central and a great deal of western and eastern Europe. Lowest, 29·4 ins. and less off the extreme north-west of our Islands, and below 29·9 ins. over the south of Russia. Gradients steep over the British Isles, the North Sea, and Scandinavia. Falling a little more in our Islands later, but rising to 30·7 ins. and more in the centre of the anticyclone, which was moving south-eastwards.

8 p.m.



Temperature and Weather.

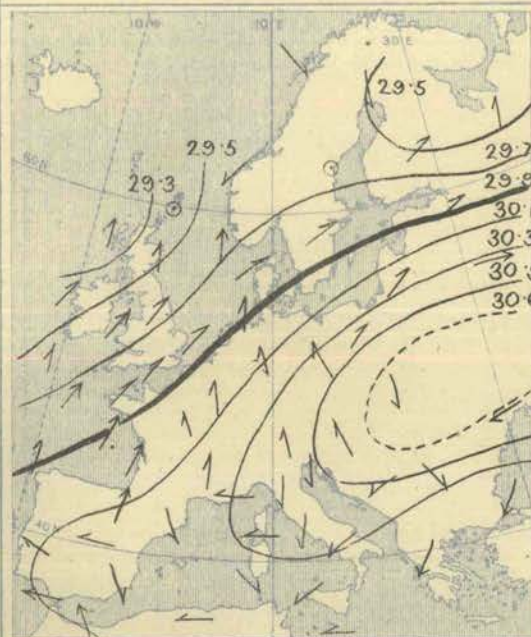
8 a.m.



Europe. Morning readings vary high over western but fallen considerably over south-eastern southern and western shores of the Mediterranean generally and the coasts of Sicily, 53° to 59° over England, 59° at Brindisi and Patras. Lowest, (1) 19° at Kharkov, 22° at Odessa, and below 30° over the southern parts of Russia and Poland; (2) 21° at Haparanda, 31° at Bodö and Archangel. Rising to between 60° and 63° in several parts of our Islands later, 63° at Paris and Nice, and 75° at Biarritz; scarcely touching 70° at Cagliari and Palermo, but exceeding 80° in several parts of Algeria.

Barometer and Wind.

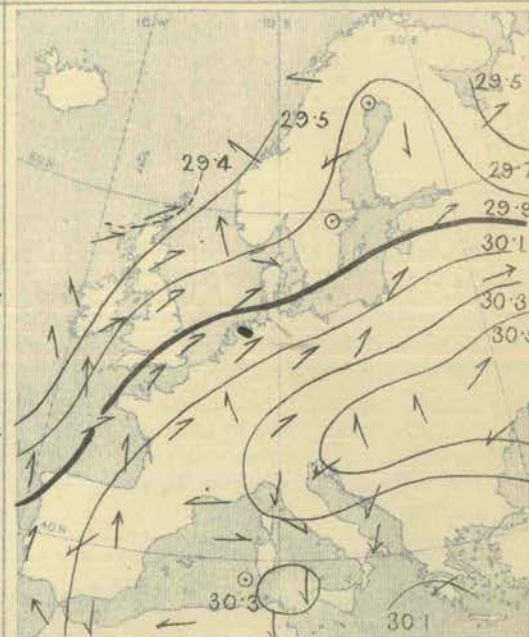
8 a.m.



Wind (1) Southerly over the British Islands and western Europe generally, Southerly to South-Westerly over Denmark and the Baltic, and varying in force from a moderate breeze to a fresh gale; a Northerly breeze, however, setting in over Lapland and the north of Scandinavia; (2) anticyclonic breezes reported over the Black Sea, the Balkan Peninsula, and southern half of Russia.

Barometer highest, 30.6 ins. and more over Hungary and the south of Russia, and exceeding 30.0 ins. over the whole of eastern and central Europe, the Mediterranean, France, and Spain. Lowest, 29.5 ins. and less over the White Sea and north of Finland, and below 29.3 ins. in a large depression lying off the north-west coasts of the British Islands. Gradients somewhat steep over the north-western countries. Falling again over Ireland later, rising over the North Sea; but the anticyclone over south-eastern Europe decreasing in intensity.

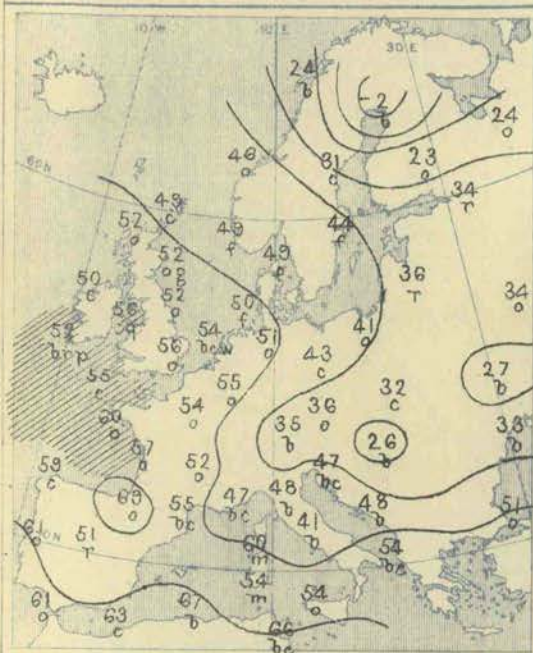
6 p.m.



Saturday, 3rd November.

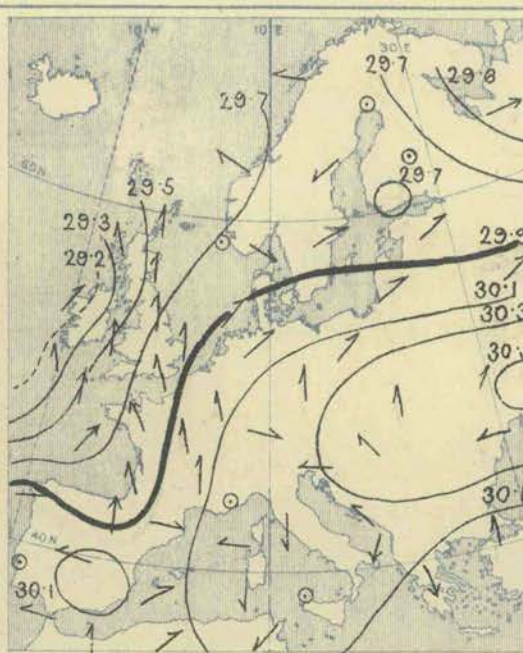
Temperature and Weather.

8 a.m.

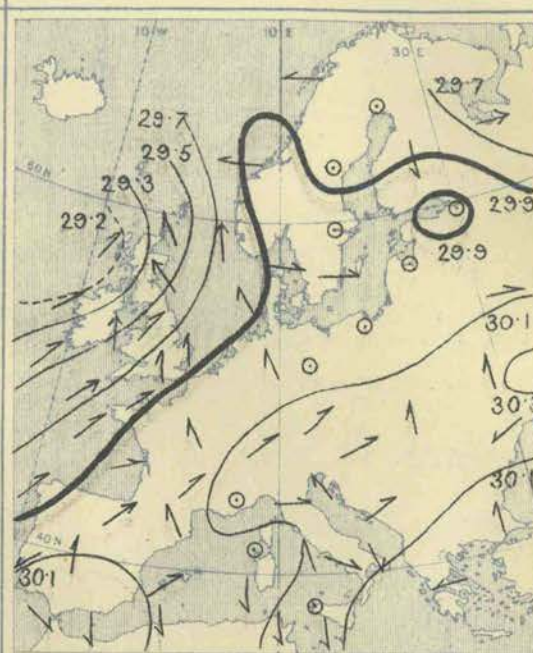


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern Europe and the west of Germany, and temporarily fair over several parts of our Islands, but very changeable; cloudy or overcast elsewhere and unsettled generally. Rain later over north-western Europe generally, showers in the north; rainfall heavy at Madrid and Valencia (Ireland), considerable in several other places, but weather remaining fine in the south of France.

Temperature recovered somewhat over Germany, little changed elsewhere. Highest, 69° at Biarritz, 60° at Brest, 50° to 55° over our southern countries, and above 50° in almost all parts of the United Kingdom. Lowest, -2° at Haparanda, 24° at Bodø; 35° at Munich, 43° at Berlin. Rising later to between 60° and 62° in many parts of Great Britain, to a little higher over many parts of France, to 70° at Cagliari and Palermo, and to 74° at Biarritz. Not touching 60° over Germany.

Wind Southerly over the British Islands and west of France, and blowing strongly at many stations, but moderately on our east coasts. Very variable over Germany and central France and of little strength. Becoming South-Westerly in direction and moderate in force over Ireland later, and light from between South-West and South at the French stations.

Barometer highest, 30.5 ins. and more to 30.3 ins. over the southern parts of Russia, and 30.0 ins. and more over Germany, and the south-eastern half of France. Lowest, 29.2 ins. and less in a depression off the west of Scotland. Gradients steep for Southerly winds over the British Islands. Rising in the western parts of France and the British Islands later and also in Norway, falling in Scotland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\circ$ = detached clouds; $\bullet$ = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During this week the north-western and northern countries of Europe have been the scenes of low pressures, very unsettled weather, and frequent rainfall, while the south-western, southern, and central countries have been marked by much quieter weather and high pressures. The Southerly winds which prevailed with great persistence over the British Islands and neighbouring regions were often very strong, and had a temperature unusually high for the time of year. On November 1st the maximum recorded in the shade over London was 65°; this is higher than any daily maximum registered in the same region since the 8th November, 1847, when a reading of 67° occurred at Greenwich.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 260.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
EDINBURGH	11.6	?	18	?	EASTBOURNE	14.0	?	21	?
OSWALDKIRK (Yorkshire)	8.8	?	14	?	MANCHESTER (Oldham Road)	3.8*	?	6*	?
WORKSOP					TENBY	9.5*	?	14*	?
THURCASTON (Leicestershire)	12.0	- 4.0	18	- 6	NEWQUAY	11.0	?	16	?
MARGATE	11.3	?	17	?	TORQUAY	10.7*	?	16*	?
WESTBOURNE (Sussex)	12.9*	?	19*	?	ARLEY COTTAGE (County Cavan)	10.0	?	15	?
BRIGHTON	15.0	?	24	?	GUERNSEY	15.6*	?	23*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Vol. XI. No. 45.]
Third Series.

WEEK ENDING SATURDAY, NOVEMBER 10TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 266.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	36	50.7	43.4	47.1	5 above	Day-deg. 86	Day-deg. +14	Day-deg. 0	Day-deg. -13	Day-deg. 2122	Day-deg. +320	Day-deg. 654	Day-deg. -45
	1. SCOTLAND, EAST	57	33	51.3	42.0	46.7	5 above	33	+9	0	-16	2219	-72	656	+20
	2. ENGLAND, N.E.	58	38	52.5	43.6	48.1	4 above	43	+16	0	-10	2477	+42	470	-75
	3. ENGLAND, EAST.	60	35	54.9	41.9	48.5	5 above	46	+14	0	-12	2906	+72	480	-140
	4. MIDLAND COUNTIES.	58	32	54.2	42.0	48.1	5 above	43	+13	0	-14	2840	+67	499	-126
5. ENGLAND, SOUTH	60	34	56.5	44.8	50.6	5 above	60	+21	0	-8	3228	+153	310	-147	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	59	40	53.0	45.1	49.1	6 above	50	+22	0	-9	2427*	+56	381	-71
	7. ENGLAND, N.W.	58	39	53.8	45.8	49.8	5 above	55	+24	0	-7	2777	+214	309	-138
	8. ENGLAND, S.W.	59	29	55.2	44.9	50.1	4 above	57	+15	0	-4	3011	+147	241	-90
	9. IRELAND, NORTH	57	38	52.3	43.1	47.7	4 above	40	+9	0	-9	2533	+58	337	-33
	10. IRELAND, SOUTH	59	36	54.7	44.5	49.7	4 above	54	+13	0	-6	2933	+81	228	-81
	—CHANNEL ISLANDS	61	47	57.9	50.5	54.2	5 above	85	+21	0	0	3620	+329	94	-18

DISTRICTS. (See p. 266.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of in. 20	10ths of ins. 7 more	196	-12	43.3	+1.6	4	-5	7	-9	1095	+110	32	+3
	1. SCOTLAND, EAST	5	5	3 less	178	+7	30.8	+3.5	17	+8	29	+13	1235	+61	34	+2
	2. ENGLAND, N.E.	4	2	4 less	183	+25	23.4	+0.6	14	0	23	0	1232	+79	31	+2
	3. ENGLAND, EAST.	3	5	1 less	177	+22	22.5	+0.1	26	+9	42	+14	1373	-54	34	-2
	4. MIDLAND COUNTIES.	5	8	2 more	170	+17	22.9	-2.0	20	+5	31	+7	1248*	-15	31	0
5. ENGLAND, SOUTH	6	9	3 more	171	+22	27.1	+3.4	25	+8	39	+14	1469	-45	25	-1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	20	8 more	183	+4	41.8	-0.6	15	+3	25	+5	1299	+41	32	+1
	7. ENGLAND, N.W.	6	13	4 more	180	+14	31.4	+1.3	13	+2	20	+2	1183	+51	32	+1
	8. ENGLAND, S.W.	6	22	11 more	183	+11	26.9	+2.6	17	0	26	0	1516	-22	37	0
	9. IRELAND, NORTH	6	10	1 more	200	+6	32.6	+1.8	18	+4	29	+4	1192	+56	30	+1
	10. IRELAND, SOUTH	6	15	6 more	183	+5	26.9	+3.7	13	+1	28	+1	1274	-82	32	-2
—CHANNEL ISLANDS		7	23	13 more	191	+8	32.4	+4.2	17	0	27	0	1659	-94	42	-2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this week was again very unsettled and changeable. Frequent rains were experienced in nearly all parts of the Kingdom, alternating with considerable intervals of bright sunshine.

Temperature continued much above the mean, the excess ranging from 4° to 6°. The highest of the maxima were recorded either on the 4th or 5th, and ranged from 61° in the Channel Islands, and 60° in England S. and E. to 54° in Scotland N. The lowest of the minima occurred towards the end of the week, when the thermometer fell to 29° in England S.W., to 32° in the Midland Counties, and to between 33° and 40° in most other districts; in the Channel Islands the lowest temperature was 47°.

Rainfall was less than the mean in Scotland E., England N.E., and England E., but again

exceeded it in all other districts; in Scotland N. and W., England S.W., Ireland S., and the Channel Islands the excess was large.

Bright Sunshine exceeded the mean in nearly all districts, the excess in England E. and S. and in Scotland E. being large. The percentage of the possible duration ranged from 42 in England E. and S. in England S., to between 20 and 31 in most other districts; in Scotland N., however, the percentage was only 7.

Barometer and Wind.—During the whole of this period rather large depressions, moving north-eastwards and eastwards, skirted our north-western and northern coasts, while their secondaries moved in similar directions over England. South-Westerly winds were consequently general over the United Kingdom; they varied considerably in force, but were, as a rule, light or moderate in the east and south-east, and fresh to strong in the west and north.

II.—DATA from which the SUMMARY on page 265 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of pos- sible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
0. SCOTLAND, N.	Sumburgh Head . . .	52	42	50.0	45.0	47.5	+ 5.0	39	0	7	0.99	+0.61	*	*	*	*
	Stornoway . . .	52	38	51.1	43.3	47.2	+ 4.7	36	0	7	1.36	+0.28	7.0	- 4.8	12	- 9
	Wick . . .	54	36	51.3	42.0	46.7	+ 4.6	33	0	4	0.65	-0.05	*	*	*	*
	Glencarron . . .	51	40	49.0	42.3	45.7	+ 4.7	26	0	7	2.92	+0.64	*	*	*	*
	Fort Augustus . . .	54	40	51.1	42.7	46.9	+ 4.9	34	0	7	1.53	+0.56	3.3	?	6	?
	Fort William . . .	54	43	51.7	44.9	48.3	+ 5.4	44	0	7	4.25	+2.43	2.0	?	3	?
1. SCOTLAND, E.	Nairn . . .	56	38	52.6	42.1	47.4	+ 5.5	38	0	4	0.16	-0.35	*	*	*	*
	Aberdeen . . .	57	38	51.6	42.4	47.5	+ 4.9	39	0	4	0.54	-0.18	23.0	+ 7.6	39	+13
	Braemar . . .	49	37	47.4	39.9	43.7	+ 4.7	21	6	6	0.29	-0.61	6.5†	††	11†	††
	Ochertyre . . .	53	35	51.1	41.3	46.2	+ 4.7	32	2	7	0.93	-0.03	*	*	*	*
	Leith . . .	56	41	53.6	44.9	49.3	+ 5.5	51	0	6	0.39	-0.11	*	*	*	*
	Marchmont . . .	54	33	51.4	40.6	46.0	+ 4.5	34	4	3	0.48	-0.36	17.0	?	28	?
2. ENGLAND, N.E.	Alnwick Castle . . .	54	43	51.0	44.6	47.8	+ 4.6	41	0	4	0.21	-0.57	*	*	*	*
	Durham . . .	56	38	52.3	42.2	47.3	+ 4.8	37	0	2	0.18	-0.48	17.4	+ 2.6	29	+ 5
	Shields . . .	58	41	54.1	42.9	48.5	+ 4.8	46	0	1	0.07	-0.50	*	*	*	*
	Scarborough . . .	56	38	52.0	42.2	47.1	+ 2.6	36	0	5	0.14	-0.56	*	*	*	*
	York . . .	57	43	53.1	44.7	48.9	+ 5.6	48	0	6	0.31	-0.26	11.4	- 1.0	18	- 2
	Spurn Head . . .	58	43	52.6	44.9	48.8	+ 3.8	48	0	4	0.27	-0.28	*	*	*	*
3. ENGLAND, E.	Hillington . . .	58	36	54.2	40.7	47.5	+ 4.0	44	4	5	0.86	+0.24	24.5	+10.0	39	+15
	Yarmouth . . .	59	40	53.4	43.4	48.4	+ 3.5	45	0	2	0.24	-0.43	*	*	*	*
	Geldeston . . .	60	38	55.9	42.0	49.0	+ 4.4	49	0	3	0.33	-0.27	26.2	+ 8.3	42	+14
	Cambridge . . .	59	37	56.0	42.0	49.0	+ 5.5	49	0	2	0.48	-0.01	26.0	+ 8.9	41	+13
	Rothamsted . . .	58	35	55.2	41.6	48.4	+ 5.4	46	1	4	0.73	+0.11	27.6	?	44	?
	Bawtry (Hesley Hall) . . .	58	37	54.4	41.7	48.1	+ 5.1	44	1	3	0.67	-0.45	*	*	*	*
4. MIDLAND COUNTIES	Loughborough . . .	58	39	55.4	43.7	49.6	+ 6.2	53	0	4	0.23	-0.31	*	*	*	*
	Stamford (Ketton Hall) . . .	58	35	54.0	40.7	47.4	+ 4.0	43	4	7	0.47	-0.14	*	*	*	*
	Cheadle . . .	55	40	52.3	40.9	46.6	+ 4.4	37	3	7	0.45	-0.34	*	*	*	*
	Churchstoke . . .	57	36	54.3	42.5	48.4	+ 4.3	45	0	7	0.96	+0.36	*	*	*	*
	Hereford . . .	56	32	53.9	41.1	47.5	+ 4.6	42	3	5	2.51	+1.82	18.6	+ 1.1	29	+ 4
	Cirencester . . .	58	38	55.1	43.4	49.3	+ 5.3	51	0	4	1.11	+0.59	21.5	+ 5.7	34	+ 9
5. ENGLAND, S.	Oxford . . .	58	38	55.1	43.4	49.3	+ 5.3	51	0	4	1.11	+0.59	21.5	+ 5.7	34	+ 9
	London . . .	60	40	56.3	44.0	50.2	+ 5.2	57	0	5	0.71	+0.20	21.2†	+10.1†	34†	+17†
	North Foreland . . .	58	40	56.3	45.1	50.7	+ 5.1	61	0	5	0.28	?	*	*	*	*
	Strathfield Turgiss . . .	59	34	56.0	41.9	49.0	+ 5.1	49	0	6	1.15	+0.56	*	*	*	*
	Dungeness . . .	60	37	57.7	45.3	51.5	+ 5.1	67	0	5	0.62	-0.20	*	*	*	*
	Hastings (St. Leonards) . . .	60	42	57.3	47.8	52.1	+ 5.6	71	0	5	0.99	+0.19	30.5	+11.5	48	+18
6. SCOTLAND, W.	Southampton . . .	60	37	56.8	45.1	51.0	+ 5.2	63	0	7	0.96	+0.27	20.3	+ 3.5	32	+ 7
	Hurst Castle . . .	58	42	56.4	47.4	51.9	+ 4.9	60	0	6	1.02	+0.32	*	*	*	*
	Stowell . . .	57	34	54.8	42.5	48.7	+ 4.7	47	0	7	1.82	?	*	*	*	*
	Laudale (Loch Sunart) . . .	59	43	56.8	45.2	51.0	+ 7.8	63	0	7	3.64	+1.61	*	*	*	*
	Glasgow . . .	53	41	50.7	44.9	47.8	+ 5.0	41	0	7	0.99	+0.10	8.9	+ 0.9	15	+ 2
	Ardrossan . . .	53	45	51.9	46.7	49.3	+ 4.6	51	0	7	1.06	+0.16	*	*	*	*
7. ENGLAND, N.W.	Glenlee . . .	59	40	52.2	43.2	47.7	+ 5.9	40	0	7	2.52	+1.12	*	*	*	*
	Douglas (Isle of Man) . . .	55	43	53.5	45.4	49.5	+ 4.5	53	0	6	1.34	+0.76	21.5	+ 5.3	35	+ 9
	Stonyhurst . . .	54	43	51.4	44.4	47.9	+ 4.2	41	0	7	1.66	+0.58	11.6	- 0.4	19	- 1
	Blackpool . . .	56	45	54.5	47.2	50.9	+ 6.5	62	0	4	1.37	+0.55	14.0	+ 1.6	23	+ 3
	Manchester (Prestwich) . . .	57	39	54.2	43.2	48.7	+ 5.3	47	0	7	1.19	+0.29	13.3	?	22	?
	Liverpool Obsy. (Bidston) . . .	57	44	54.1	45.3	49.7	+ 4.7	54	0	6	0.90	+0.18	*	*	*	*
8. ENGLAND, S.W.	Llandudno . . .	58	43	54.8	47.3	51.1	+ 4.6	64	0	6	1.23	+0.43	14.8	+ 2.7	23	+ 3
	Holyhead . . .	57	44	53.9	47.3	50.6	+ 3.3	60	0	6	1.80	+0.63	*	*	*	*
	Llandovery . . .	56	29	54.6	38.4	46.5	+ 2.0	47	10	7	1.31	+0.08	*	*	*	*
	Pembroke . . .	56	49	54.7	50.9	52.8	+ 4.8	76	0	6	1.45	+0.55	20.4	+ 4.4	32	+ 6
	Bristol (Montpelier) . . .	58	38	55.9	44.9	50.4	+ 5.6	59	0	5	1.64	+0.88	*	*	*	*
	Arlington (N. Devon) . . .	57	37	54.5	43.3	48.8	+ 3.8	48	0	7	3.13	+1.65	*	*	*	*
9. IRELAND, N.	Cullompton . . .	59	36	55.9	42.7	49.3	+ 3.8	61	0	5	2.00	+1.23	18.9	+ 2.9	27	+ 6
	Falmouth . . .	58	42	55.4	45.8	50.6	+ 2.1	60	0	7	2.95	+1.67	10.9	- 8.6	17	-13
	Plymouth . . .	57	37	55.8	45.7	50.8	+ 3.3	62	0	6	2.70	+1.80	15.2	- 0.6	23	- 2
	Prawle Point . . .	57	44	55.3	47.1	51.2	+ 3.5	64	0	7	2.02	+1.27	*	*	*	*
	Malin Head . . .	53	44	51.3	46.4	48.9	+ 4.9	48	0	6	0.89	?	*	*	*	*
	Londonderry . . .	54	40	52.4	43.3	47.9	+ 3.9	41	0	6	1.19	+0.20	*	*	*	*
10. IRELAND, S.	Edenfel (Omagh) . . .	53	40	51.4	43.0	47.2	+ 4.5	36	0	6	0.95	+0.13	*	*	*	*
	Belmullet . . .	57	43	53.7	46.3	50.0	+ 2.5	56	0	7	1.58	?	*	*	*	*
	Markree Castle . . .	55	38	53.5	40.8	47.2	+ 3.3	41	3	7	1.43	+0.55	18.6	+ 3.8	30	+ 6
	Brookeborough . . .	53	39	52.0	41.6	46.8	+ 4.3	35	1	7	0.86	-0.12	*	*	*	*
	Armagh . . .	54	39	52.4	41.8	47.1	+ 3.1	37	1	4	0.46	-0.19	16.4	+ 2.4	26	+ 3
	Donaghadee . . .	53	39	52.0	41.6	46.8	+ 1.9	35	1	6	0.36	-0.40	*	*	*	*
CHANNEL ISLANDS	Edgeworthstown . . .	53	39	52.0	41.6	46.8	+ 1.9	35	1	6	0.36	-0.40	*	*	*	*
	Dublin . . .	58	41	55.0	44.1	49.6	+ 3.7	53	0	6	0.42	-0.18	25.0	+ 7.0	40	+11
	Parsonstown . . .	56	40	54.0	42.9	48.5	+ 4.5	46	0	6	1.06	+0.41	14.9	- 1.2	24	- 2
	Kilkenny . . .	57	36	54.0	40.7	47.4	+ 1.9	43	4	6	1.60	+0.36	*	*	*	*
	Roche's Point . . .	59	43	55.7	46.0	50.9	+ 3.2	62	0	5	1.00	0.00	*	*	*	*
	Valencia . . .	57	44	55.1	48.6	51.9	+ 3.3	69	0	7	2.42	+1.08	12.8	- 4.2	20	- 5
CHANNEL ISLANDS	Killarney . . .	59	40	55.9	43.6	49.8	+ 3.1	55	0	7	2.41	?	*	*	*	*
	Foynes . . .	56	42	53.4	45.6	49.5	+ 4.5	53	0	7	1.81	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's) . . .	59	47	56.9	50.3	52.6	+ 3.2	81	0	7	2.43	+1.56	14.0	?	22	?
	Jersey . . .	61	48	58.9	50.6	54.8	+ 5.8	90	0	6	2.08	+1.06	19.3	0.0	30	0

Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *s* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 4th November.

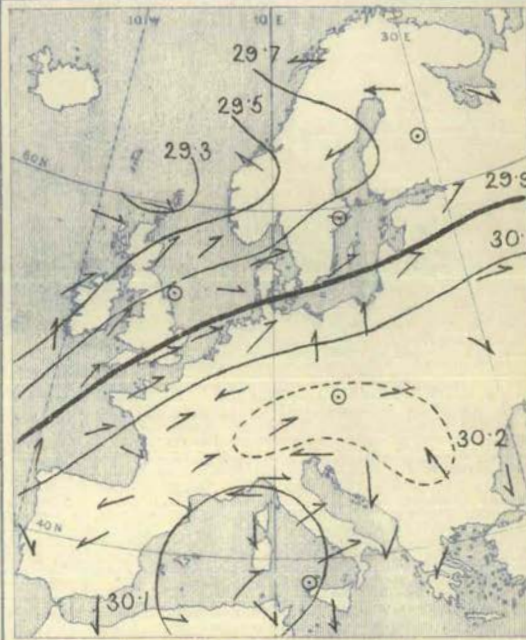
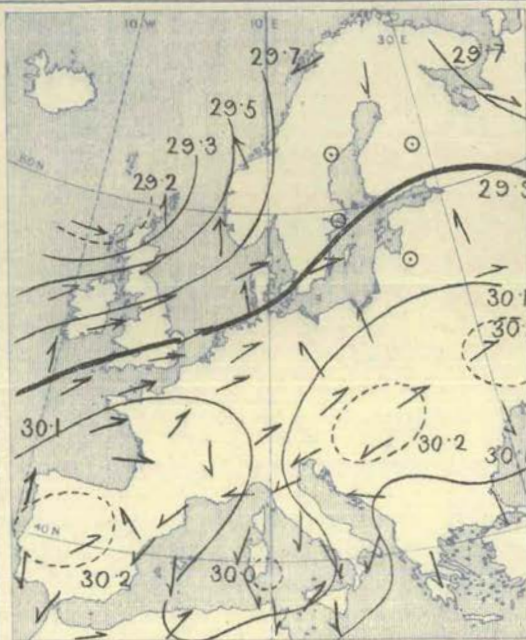
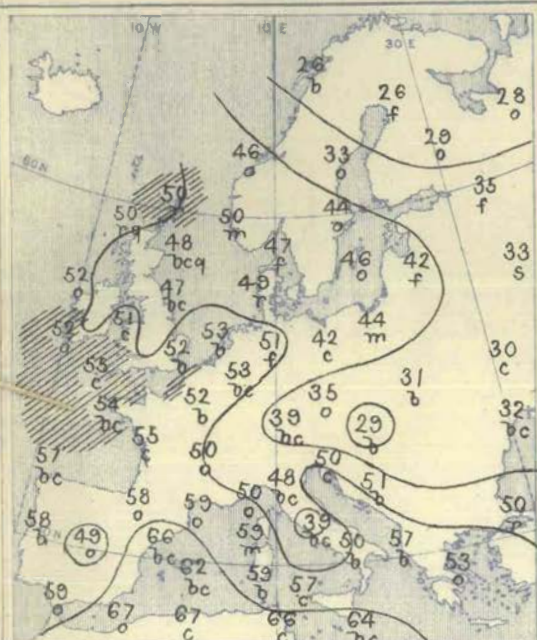
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over the United Kingdom generally, but rainy in the Shetlands and Hebrides. Fine in Portugal, Italy, Austria, and the south of Russia; cloudy in most other parts of the Continent, with fog in many of the northern countries, rain at Münster, and snow at Moscow. Rain setting in later over the west of our Islands and spreading to all but the southern and eastern parts of the Kingdom. Rain falling also at most of the German stations and snow in Finland.

Temperature fallen generally. Morning readings highest, 67° at Oran and Algiers, and 68° at Barcelona and Tunis; above 60° at many of the Mediterranean stations; above 55° over the Portuguese and French coasts, and just reaching that point at several of the English Channel stations. Lowest, (1) 14° at Haparanda, and 28° at Bodö and Uleaborg; (2) 22° at Kharkov and 27° at Hermanstadt; below 40° in many parts of northern, eastern, and central Europe, as well as over the central parts of Italy. Rising during day to 55° and upwards at most of the English and Irish stations, and reaching 61° at Jersey. Exceeding 60° over France and southern Europe generally, the highest reading of all being 73° at Perpignan.

Wind moderate to strong from the South-Westward over our Islands, the Netherlands, and the north of France, light from the Southward or South-Eastward over Germany and Denmark, and moderate to strong from the same quarters in Norway. Calm or variable in most other parts of Europe, but Northerly or North-Westerly over the central and southern parts of Italy. Subsequently backing to the Southward in the west of our Islands; no important change occurring elsewhere.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards over the greater part of central, southern, and south-eastern Europe, but below 30.0 ins. in a shallow depression over Sardinia. Lowest, 29.2 ins. and less in a well-marked depression off the north of Scotland (gradients rather steep over the north of our Islands), 29.7 ins. and less in the extreme north of Russia. New depression approaching our western coasts later, and barometer falling rather decidedly in Ireland.

Monday, 5th November.

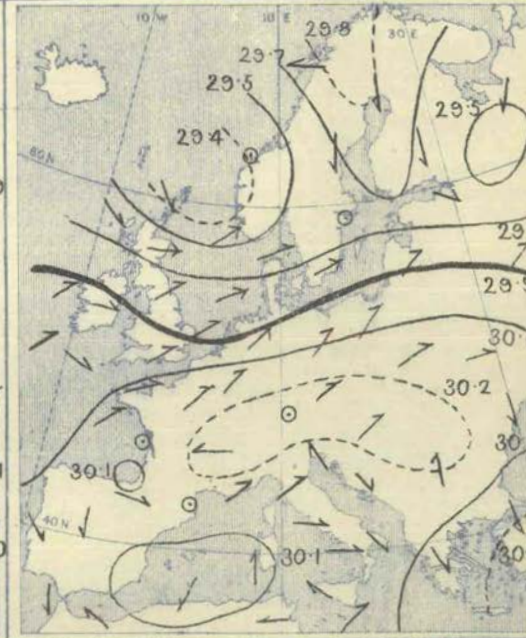
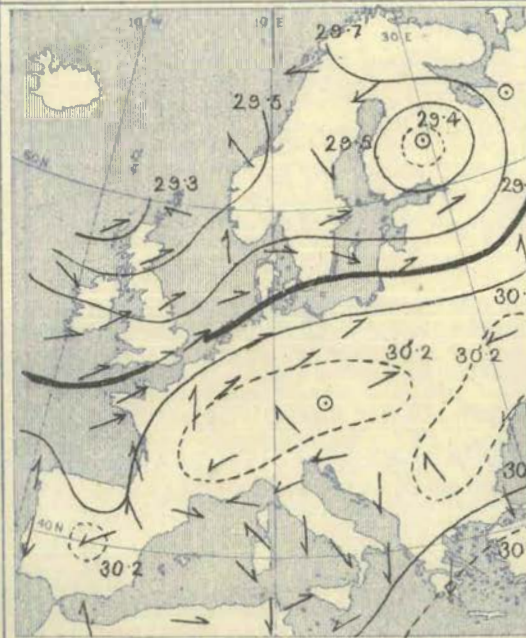
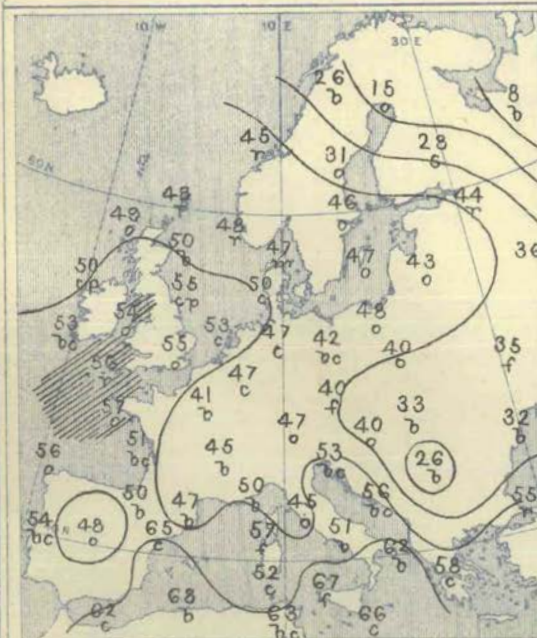
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning cloudy and showery over the greater part of England; fine at many of the Irish and Scotch stations, but showery in the extreme north and north-west. Fine over France and southern Italy, cloudy or overcast in most other parts of the Continent, with fog at several of the northern stations, rain at Christiansund, and snow at Kuopio. Showers falling during day at many of our own stations, and decided rain in Scandinavia and Denmark.

Temperature risen generally, but fallen in France and the Netherlands. Morning readings highest, 68° at Algiers, 67° at Palermo and 66° at Malta; above 55° at several of the Mediterranean stations and also over the English Channel. Lowest, 5° at Archangel, 15° at Haparanda, 19° at Uleaborg, and 23° at Kharkov; below 40° in many parts of Scandinavia, Russia, and Austria. Rising during day to 55° and upwards in most parts of the United Kingdom, and reaching 60° in London and at Jersey. Exceeding 60° in the west and south of France, and exceeding 70° at many of the Mediterranean stations, the highest reading of all being 75° at Palma.

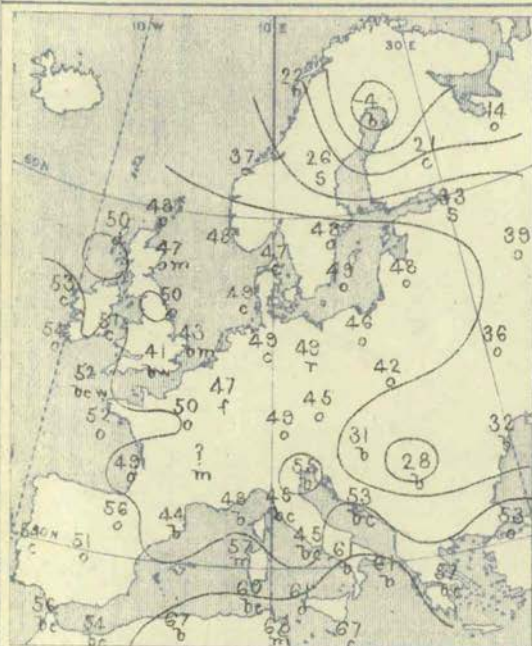
Wind South-Westerly over our Islands, the north of France, the Netherlands, Denmark, north Germany, and the Baltic, and strong in force on many parts of our western coasts; moderate from the Eastward in the north of Scandinavia. Light from the North-Eastward in the south of Russia, from the Northward in Italy, and from the Eastward over the Spanish Peninsula. Subsequently veering to the Westward in many parts of the United Kingdom, but backing again to South-West in the west of Ireland.

Barometer highest, 30.1 ins. to 30.2 ins. and upwards in an anticyclone covering the whole of central, southern, and south-eastern Europe. Lowest, 29.3 ins. and less in a depression lying off the north-west of Scotland; 29.4 ins. and less in another disturbance over central Finland. Depressions both moving eastwards later; barometer rising decidedly in all parts of the United Kingdom, but falling on the eastern shores of the North Sea.

Tuesday, 6th November.

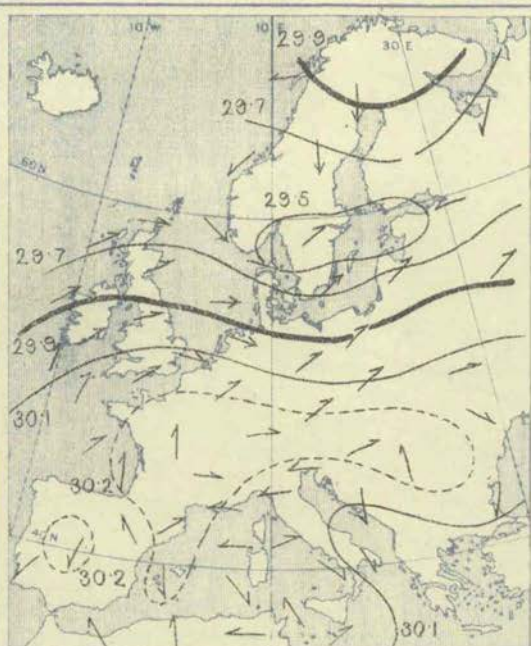
Temperature and Weather.

8 a.m.

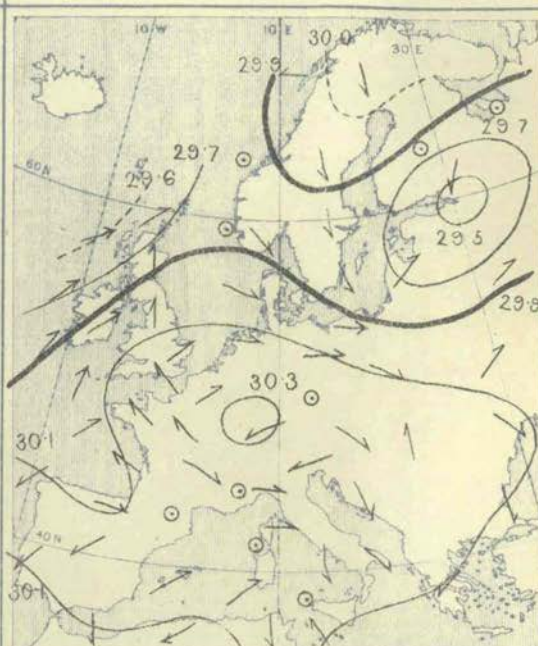


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or overcast in all the more western and northern parts of our Islands, with drizzling rain at Stornoway; fine over the south and east of England and the Netherlands, but with thick fog in places. Fine in the southern and south-eastern parts of the Continent, but dull in most of the northern and central countries, with rain at some of the German stations, and with snow at Hernösund and St. Petersburg. Rain setting in later over the west of our Islands and spreading quickly to most of the English stations, amounts rather large in the south of Ireland.

Temperature fallen generally, quickly over England, but risen over Germany and the central and southern parts of Russia. Morning readings highest, 67° at Malta and Algiers, 66° at Sfax, and 65° at Palma, above 60° over the central and southern parts of the Mediterranean generally. Lowest, - 4° Fahr. at Haparanda, + 14° at Archangel, 15° at Uleaborg, 21° at Kuopio, and 22° at Bodö; below the freezing point over Austria and the south of Russia. Rising later to between 55° and 59° at most of the English and Irish stations; exceeding 60° in France and exceeding 70° in the southern parts of Spain and Italy.

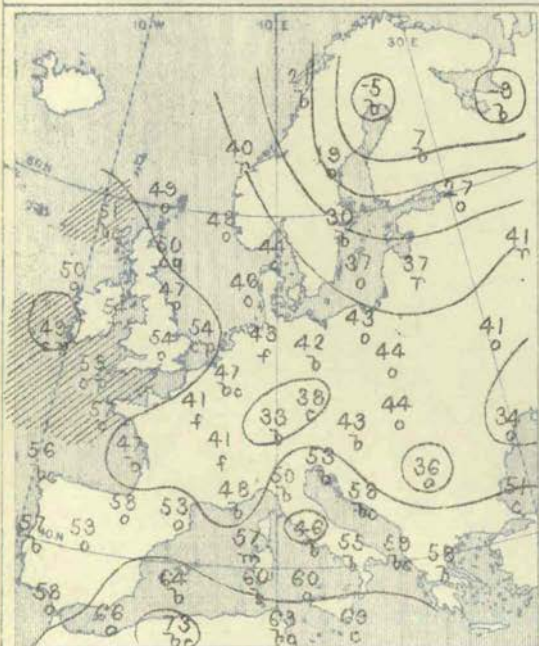
Wind moderate to fresh from the Southward or South-Westward on our western coasts; light from South-West or West in the north and east of our Islands; North-Westerly at the Channel stations. Westerly or South-Westerly over Denmark, Germany, the Netherlands, and the south of Scandinavia. Southerly or South-Easterly in France, variable in Italy. Northerly or North-Easterly over the Spanish Peninsula. Southerly or South-Westerly breezes setting in later over the whole of the United Kingdom, and blowing strongly on our western coasts. Wind shifting to the Northward over Sweden and Finland.

Barometer highest, 30.1 ins. in an anticyclone covering the whole of central and southern Europe and extending over the southern parts of England. Lowest, 29.5 ins. and less in an elongated depression extending from the Christiania Fjord to the mouth of the Gulf of Finland. Depression subsequently moving eastwards, but new disturbance beginning to approach our own north-western coasts, and barometer falling in all parts of the United Kingdom.

Wednesday, 7th November.

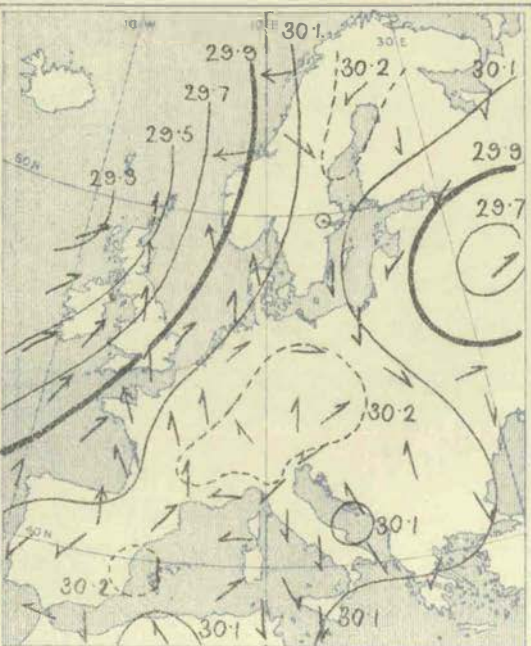
Temperature and Weather.

8 a.m.

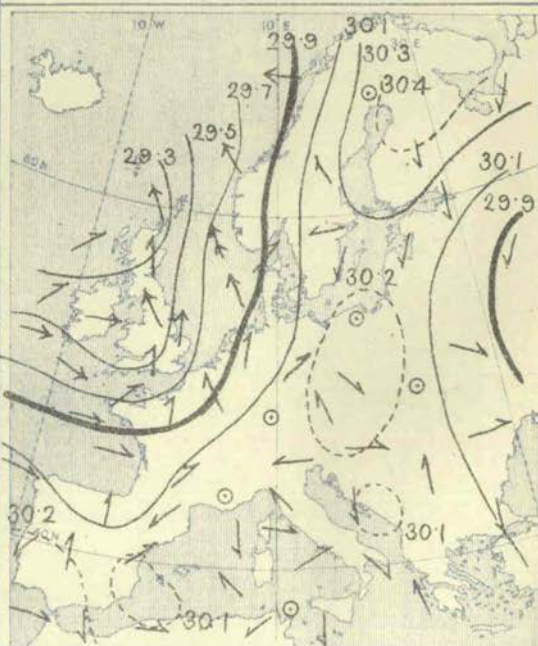


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or overcast in most parts of our Islands, with rain or passing showers in many places. Fine over the greater part of central and southern Europe, but dull and unsettled in most of the northern and eastern countries, with rain at Christiansund, Riga, and Moscow. Rain falling later in nearly all the western countries, heavily in the western and southern parts of the United Kingdom. Thunder and lightning occurring at Valencia in evening, and lightning seen at Prawle Point and Cherbourg.

Temperature risen over Great Britain, as well as in Spain and the south of Russia, fallen elsewhere. Morning readings highest, 73° at Algiers, 69° at Malta, 66° at Oran, and 64° at Barcelona and Palma; above 65° in most parts of southern Europe, and just reaching that point at the English Channel stations. Lowest, - 9° at Archangel, - 5° at Uleaborg, + 1° at Haparanda, and 7° at Kuopio; below the freezing point in many parts of Russia and Scandinavia. Rising during day to 55° and upwards in most parts of Great Britain; exceeding 60° in France and exceeding 70° in Sicily and many parts of Spain.

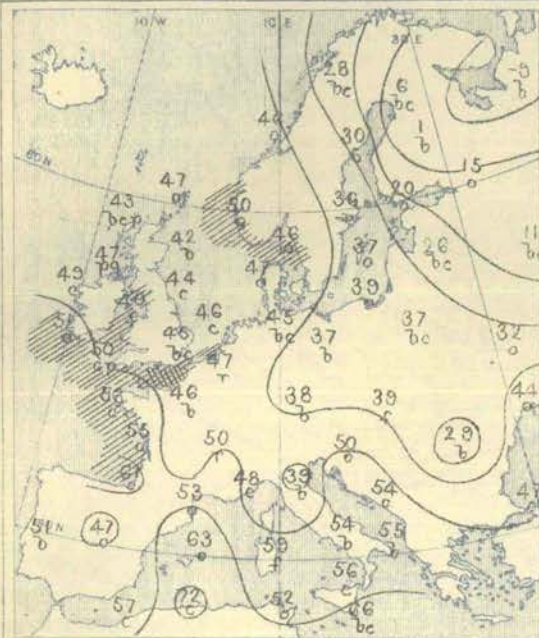
Wind Southerly in most parts of Great Britain, but South-Westerly in Ireland and the Hebrides; strong to a gale in force over the Irish Sea and the Bristol and St. George's Channels. Light from the Northward or North-Eastward over northern Russia, but Westerly or South-Westerly over the central and southern parts of that country. Variable in Austria and also in the south of France; Northerly or North-Westerly in Italy. Subsequently veering to the Westward on our western coasts, increasing to a moderate gale from the South-Westward over the English Channel, and to a fresh gale from the Southward in the south of Norway.

Barometer highest, 30.2 ins. and upwards over Germany and the neighbouring parts of Austria and Italy, as well as over the Gulf of Bothnia and central Spain. Lowest, 29.3 ins. and less in a depression lying to the north-westward of the Hebrides; 29.6 ins. and less in another system over central Russia. Well-marked secondary disturbance passing eastwards across England during day, and barometer falling quickly at our eastern and south-eastern stations.

Thursday, 8th November.

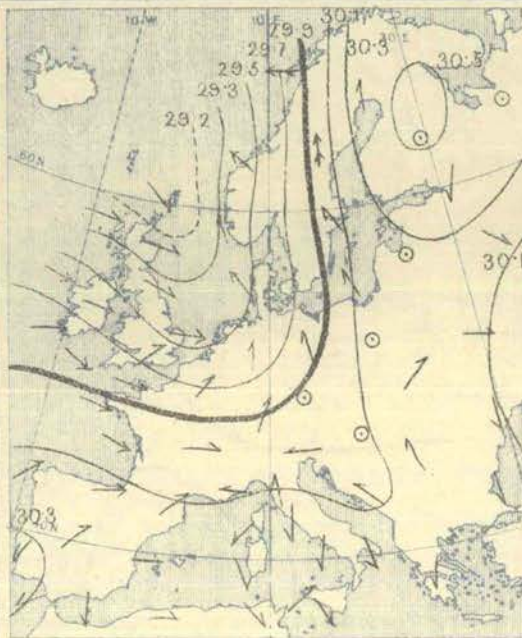
Temperature and Weather.

8 a.m.

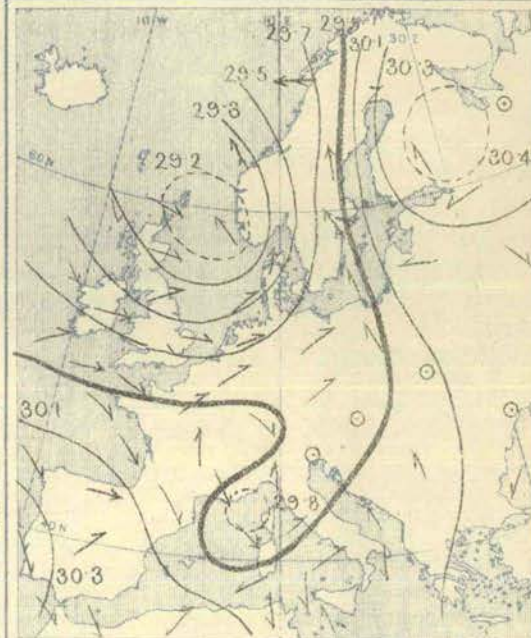


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part the United Kingdom, but showery on our extreme north-west coasts. Fine over central and southern Europe, but with fog at several of the German and Austrian stations; dull in most other parts of the Continent, with rain in Belgium and the east of France, as well as at Stockholm, and with snow at Hernösand. Showers falling during day in many parts of our Islands, and heavy rain at many of the French and Italian stations. Lunar halos seen over England and the south of Ireland. Thunderstorms occurring at Moscow and Toulon.

Temperature risen over France, western Germany, and Scandinavia, fallen elsewhere. Morning readings highest, 72° at Algiers, 67° at Barcelona, 66° at Malta, and 63° at Palma; above 55° at most of the Mediterranean and Spanish coast stations. Lowest, - 9° Fahr. at Archangel, + 1° at Kuopio, 6° at Uleaborg, and 11° at Moscow, below the freezing point over all the northern and central parts of Russia and Scandinavia. Daily maxima over our Islands below 55° at all but the extreme southern stations; thermometer exceeding 60° in the south of France and exceeding 70° in Spain and the south of Italy.

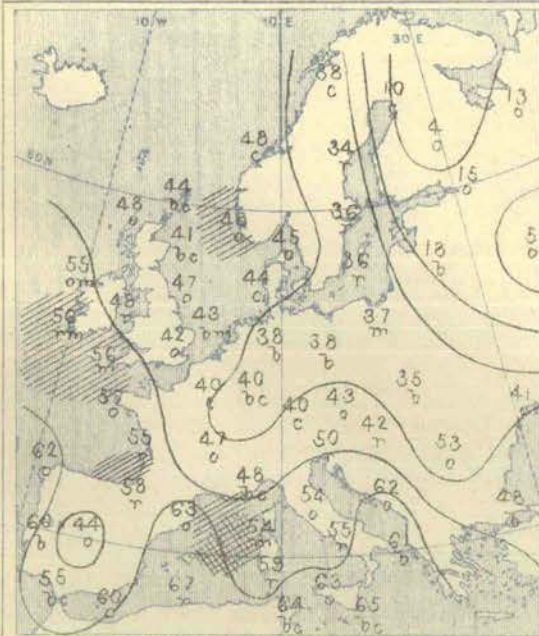
Wind moderate to strong from the Westward over our Islands and the west and north of France; strong from the South-Westward over the Netherlands, and from the Southward or South-Eastward over Denmark and Scandinavia, with a gale at Hernösand. Light from the Northward or North-Westward over Italy and the neighbouring parts of the Mediterranean and the central and southern parts of Russia; variable in Spain and the south of France. Subsequently veering to the North-Westward on our extreme north-west coasts, but backing to the South-Westward in the south of Ireland. Increasing to a gale from the South-Eastward at many of the Scandinavian stations.

Barometer highest, 30.4 ins. to 30.5 ins. and upwards in an anticyclone over Finland; 30.3 ins. and upwards in another system over the south of Portugal. Lowest, 29.2 ins. and less in a depression off the north-east of Scotland; 29.9 ins. and less in a shallow disturbance over the south of Russia. Depression in north subsequently moving slowly eastwards, but new disturbance beginning to approach our south-west coasts; small depression forming over the Gulf of Genoa in evening.

Friday, 9th November.

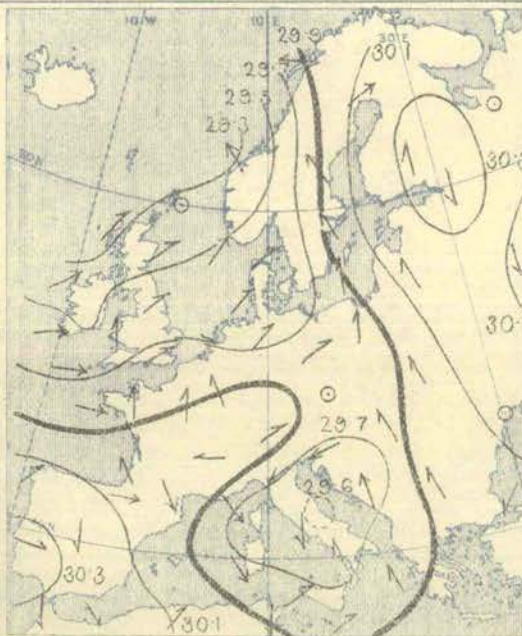
Temperature and Weather.

8 a.m.

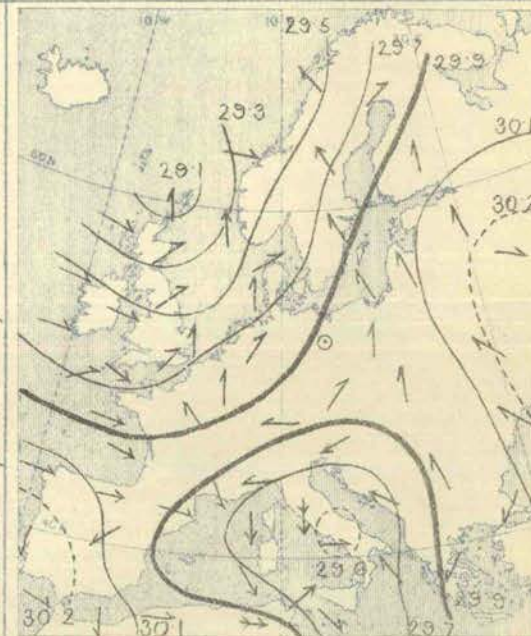


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull and rainy in the western parts of our Islands and France, but fine at several of our eastern stations, as well as in the Netherlands and western Germany. Dull and unsettled in the Continental countries generally, with rain in Sweden and also at some of the Austrian and Italian stations, and with snow at Memel. Rain falling during day in nearly all parts of western, central, and southern Europe, heavily in the south of Italy; thunder and lightning occurring at Malin Head and lightning only at Stornoway and Jersey. Temperature fallen in Spain, France, and the central and southern parts of Russia, but risen elsewhere. Morning readings highest, 67° at Algiers, 65° at Malta, and 64° at Palma; above 60° at several of the Mediterranean stations, and above 55° in the Bay of Biscay and the extreme south-west of our Islands. Lowest, 4° at Kuopio, 5° at Moscow, 10° at Uleaborg, and 13° at Archangel, below the freezing point over Russia generally, and very little above it in eastern Austria. Daily maxima below 60° at some of our northern and eastern stations, but thermometer exceeding 55° in the west and south of our Islands, and exceeding 65° in many parts of southern Europe, the highest reading of all being 72° at Palma.

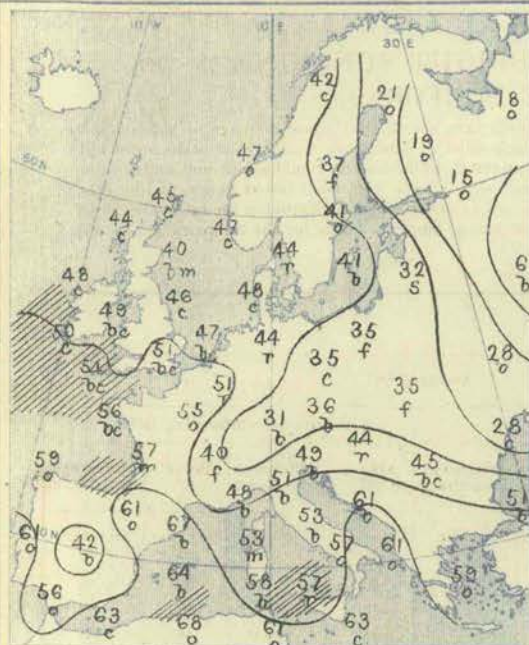
Wind light to fresh from the Southward or South-Westward over the greater part of our Islands and the North Sea, but Westerly on our extreme south-west coasts and also in the west of France. Southerly or South-Easterly over Scandinavia, Finland, and the Baltic; variable over Germany and the south of Russia, North-Easterly in the north of Italy; North-Westerly in the south of France and the adjacent parts of the Mediterranean. Southerly or South-Easterly over the southern parts of Italy and the Adriatic. Subsequently veering to the Westward in all the more western parts of our Islands; Northerly gale springing up at Rome and Westerly gale at Tunis.

Barometer highest, 30.3 ins. and upwards in an anticyclone over Finland, and also in another system over the south of Portugal. Lowest, 29.3 ins. and less in a large shallow depression lying to the north-westward and northward of our Islands; 29.7 ins. and less in a complex system over the northern parts of Italy and the Adriatic. Depression in north subsequently moving slowly eastwards, secondary disturbances passing across Ireland and England. Depression over Italy moving southwards.

Saturday, 10th November.

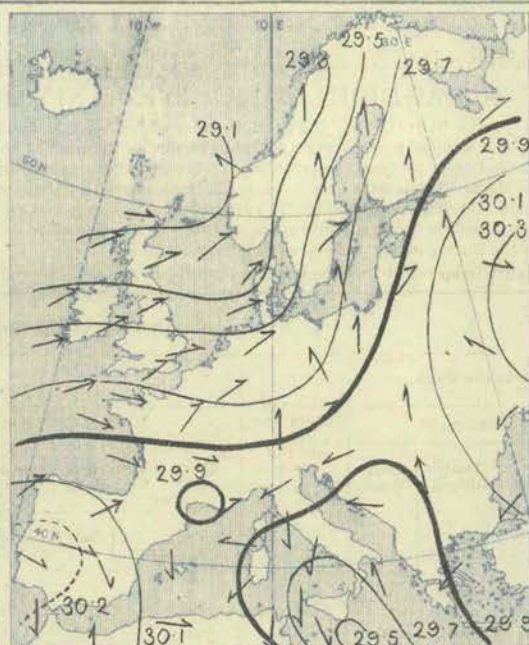
Temperature and Weather.

8 a.m.

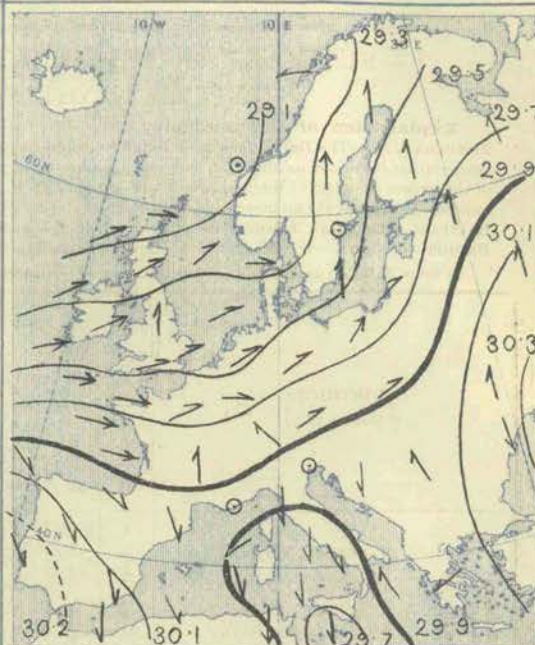


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine in most parts of the United Kingdom, but with showers in a few places. Fine over the greater part of Austria, northern Italy, and the south of Spain, but dull in most other parts of the Continent, with rain at some of the northern and central stations, and with snow at Riga and Helsingfors. Rain falling later in most of the western countries, and snow at Knopio and St. Petersburg. Thunderstorms occurring at the Helder, Fano, and Brest, and lightning seen at night in the south-west of England.

Temperature fallen in the west and north of our Islands and also in Germany, but risen in most other localities. Morning readings highest, 68° at Algiers, 67° at Barcelona, 64° at Palma, and 63° at Oran and Malta; above 56° at most of the coast stations in the south of Europe. Lowest, 6° at Moscow, 15° at St. Petersburg and Kharkov, and 18° at Archangel; below the freezing point in most parts of Russia. Daily maxima below 50° at some of our northern stations, but above 55° on our southern coasts. Thermometer exceeding 65° in many parts of southern Europe, and reaching 75° at Brindisi.

Wind light to fresh from the Westward or South-Westward over our Islands, France, the Netherlands, and the eastern shores of the North Sea; Southerly over Germany, the Baltic, Finland, and Scandinavia. Easterly in the south of Russia; variable in Austria, chiefly Southerly in Italy; variable in Algeria. Subsequently increasing to a strong breeze from the Westward on our southern coasts; no important change occurring elsewhere.

Barometer highest, 30.3 ins. and upwards in a large anticyclone over the central and southern parts of Russia; 30.2 ins. and upwards in another system over the Spanish Peninsula. Lowest, 29.1 ins. and less in a large shallow depression lying to the northward of our Islands; 29.5 ins. and less in a well-marked disturbance near Malta. Small secondary depressions passing eastwards across our Islands during day, but general distribution of pressure remaining unchanged.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week a large area of high-pressure covered the whole of central and southern Europe, while a shallow cyclonic system moved eastwards past our extreme northern coasts to Sweden, the Baltic, and northern Russia. Towards the middle of the period, however, pressure gave way over central Europe, while it increased in the extreme north, and, until very nearly the end of the week, two high-pressure systems were in existence—one over northern Russia and the other off the Portuguese coasts. In all the more north-western countries the weather was affected by a series of large depressions which travelled north-eastwards along our extreme north-western and northern coasts, the main systems being accompanied in many instances by secondary disturbances which passed eastwards across our Islands and the North Sea. South-Westerly (Southerly to Westerly) winds were, therefore, very prevalent, with mild, changeable weather, and with heavy rain in the western and southern parts of the United Kingdom. In the central and southern countries the weather was mostly fair until the 8th, when a complex depression formed over the central parts of the Mediterranean, and occasioned heavy falls in many parts of France and Italy.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 266.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	22.6	?	38	?	EASTBOURNE	29.8	?	47	?
OSWALDKIRK (Yorkshire)	13.0	?	21	?	MANCHESTER (Oldham Road)	9.8*	?	15*	?
WORKSOP	12.8	- 1.9	29	- 3	TENBY	?	?	?	?
THURCASTON (Leicestershire)	26.6	+12.6	42	+19	NEWQUAY	12.0	?	18	?
MARGATE	24.4	?	38	?	TORQUAY	24.0*	?	37*	?
WESTBOURNE (Sussex)	20.8*	?	33*	?	ARLEY COTTAGE (County Cavan)	19.5	?	31	?
BRIGHTON	28.3	?	44	?	GUERNSEY	18.8*	?	29*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Vol. XI. No. 46.]
Third Series.

WEEK ENDING SATURDAY, NOVEMBER 17TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90 only.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 272.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	30	47.1	37.9	42.5	1 above	Day-deg. 21	Day-deg. + 2	Day-deg. 11	Day-deg. - 4	Day-deg. 2143	Day-deg. + 322	Day-deg. 165	Day-deg. - 49
	1. SCOTLAND, EAST	57	30	46.8	36.2	41.5	1 above	13	- 8	24	+ 5	2232	- 80	680	+ 25
	2. ENGLAND, N.E.	53	33	47.4	37.2	42.3	0 (average)	22	- 1	13	+ 1	2499	+ 41	483	- 74
	3. ENGLAND, EAST.	55	36	50.6	39.6	45.1	2 above	32	+ 6	7	- 7	2938	+ 78	487	- 147
	4. MIDLAND COUNTIES.	56	31	50.1	38.7	44.4	2 above	31	+ 5	9	- 7	2871	+ 72	508	- 133
	5. ENGLAND, SOUTH	60	37	54.0	42.8	48.4	4 above	45	+ 10	0	- 9	3273	+ 163	310	- 156
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	59	33	48.9	40.3	44.6	2 above	25	+ 1	5	- 5	2452	+ 57	386	- 76
	7. ENGLAND, N.W.	56	35	49.4	40.5	45.0	1 above	27	0	4	- 5	2804	+ 214	313	- 143
	8. ENGLAND, S.W.	59	31	52.2	42.0	47.1	2 above	36	- 4	0	- 4	3047	+ 143	241	- 94
	9. IRELAND, NORTH	55	30	48.8	37.5	43.2	0 (average)	27	- 1	13	+ 2	2603*	+ 55	379	- 37
	10. IRELAND, SOUTH	57	30	51.0	39.8	45.4	0 (average)	33	- 5	6	- 2	2966	+ 76	234	- 83
	-CHANNEL ISLANDS	53	42	54.4	46.0	50.2	1 above	57	+ 2	0	0	3677	+ 331	94	- 18

DISTRICTS. (See p. 272.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in. 21	10ths of ins. 8 more	202	- 11	45.4	+ 2.4	6	+ 3†	11	+ 5†	1201	+ 113	31	+ 2
	1. SCOTLAND, EAST	3	5	2 less	181	+ 6	31.3	+ 3.2	20	+ 9	35	+ 16	1255	+ 70	34	+ 2
	2. ENGLAND, N.E.	4	7	1 more	187	+ 25	24.1	+ 0.6	17	+ 5	23	+ 9	1249	+ 85	31	+ 2
	3. ENGLAND, EAST.	7	24	17 more	184	+ 24	24.9	+ 1.8	26	+ 12	43	+ 18	1399	- 42	35	- 1
	4. MIDLAND COUNTIES.	6	21	15 more	176	+ 19	25.0	- 0.5	25	+ 13	42	+ 21	1273	- 2	31	0
	5. ENGLAND, SOUTH	7	28	21 more	178	+ 25	29.9	+ 5.5	25	+ 13	40	+ 20	1494	- 32	25	- 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	22	8 more	183	+ 4	44.0	+ 0.3	17	+ 6	30	+ 12	1316	+ 47	32	+ 1
	7. ENGLAND, N.W.	5	9	1 more	185	+ 15	32.3	+ 1.4	15	+ 5	25	+ 10	1193	+ 57	32	+ 1
	8. ENGLAND, S.W.	6	37	27 more	189	+ 12	40.6	+ 5.2	21	+ 6	33	+ 10	1537	- 16	37	0
	9. IRELAND, NORTH	6	12	4 more	206	+ 7	33.6*	+ 1.9	27	+ 14	45	+ 23	1219	+ 70	30	+ 2
	10. IRELAND, SOUTH	6	25	16 more	189	+ 7	39.4	+ 5.4	23	+ 8	38	+ 12	1297	- 75	32	- 2
	-CHANNEL ISLANDS	5	35	25 more	196	+ 8	35.9	+ 6.7	21	+ 12	33	+ 21	1680	- 81	42	- 2

† Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued very unsettled and changeable. Extremely heavy rains were again experienced in all except the northern parts of England and the east of Scotland. The periods intervening between the rains were, however, generally fine and bright.

Temperature just equalled the mean over Ireland and in England N.E., but continued above in all other districts, the excess ranging from 4° in England S. to 1° or 2° elsewhere. The highest of the maxima were registered on rather irregular dates, and ranged from 60° in England S. and 59° in England S.W. and Scotland W., to 53° in England N.E. and Scotland W. The lowest of the maxima, which occurred also on irregular dates, varied from 30° in Scotland N. and E. and in Ireland, and 31° in the Midland Counties and England S.W., to 37° in England S., and to 42° in the Channel Islands.

Rainfall was again less than the mean in Scotland E. and but slightly exceeded it in England N.E. and N.W. In nearly all other districts the excess was extremely large; over all the more south-eastern, southern, and south-western counties of England the fall was nearly four times, and in Ireland S. nearly three times as much as the mean. The largest amounts recorded at any individual stations were 6.25 ins. at Godmanstone (near Dorchester), 5.51 ins. at Scilly, 5.13 ins. at Killarney, 4.70 ins. at Falmouth, and 4.60 ins. (in 6 days) at Crowborough (Sussex). At

Scilly, as much as 3.06 ins. fell within the first 24 hours of the period, while at Godmanstone 5.74 ins. fell between the 12th and 15th; at several other stations in the south and south-west between 3 ins. and 4 ins. were recorded during the first three days of the week. Towards the end of the period 2.66 ins. fell at Killarney in 18 hours.

Bright Sunshine again exceeded the mean in all districts, the excess in nearly every case being considerable. The percentage of the possible duration ranged from 45 in Ireland N., and from between 40 to 43 over central, southern, and eastern England, to 25 in England N.W., and to 11 in Scotland N.

Barometer and Wind.—The distribution of barometric pressure was very similar to that of the preceding week, large and deep depressions, moving north-eastwards, reaching our south-western and western coasts from the Atlantic, and their secondary systems travelling eastwards more directly over the Kingdom. South-Westerly to Westerly winds were consequently very prevalent, and increased to a gale at times in all parts of the Kingdom, that experienced on the 14th in the Channel and Straits of Dover being exceptionally severe. At the close of the period an anticyclone was spreading over us from the eastward, and the conditions appeared to be improving.

II.—DATA from which the SUMMARY on page 271 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	51	40	48.0	41.3	44.7	+ 2.9	22	2	3	0.55	-0.43	*	*	*
	Stornoway	54	34	47.7	36.4	42.1	+ 0.3	24	16	7	2.38	+1.33	12.7	+ 3.0	23
	Wick	52	30	47.7	35.4	41.6	+ 0.3	16	27	3	0.29	-0.39	*	*	*
	Glencarron	56	32	45.4	36.0	40.7	+ 0.5	10	23	7	2.92	+0.64	*	*	*
	Fort Augustus	56	34	46.0	37.8	41.9	+ 1.1	11	18	7	2.27	+1.28	2.8	?	5
1. SCOTLAND, E.	Fort William	56	35	47.7	40.2	44.0	+ 2.2	22	5	6	4.02	+2.20	2.7	?	5
	Nairn	57	30	48.4	34.1	41.3	+ 0.5	18	32	3	0.15	-0.37	*	*	*
	Aberdeen	51	34	47.3	36.6	42.0	+ 0.5	15	15	4	0.32	-0.41	22.2	+ 0.2	40
	Braemar	48	33	42.6	36.1	39.4	+ 1.4	2	21	5	1.27	+0.36	6.3†	?	11†
	Ochertyre	55	36	50.6	39.1	44.0	+ 2.1	32	8	2	0.35	-0.16	*	*	*
2. ENGLAND, N.E.	Leith	55	36	50.6	39.1	44.0	+ 2.1	32	8	2	0.35	-0.16	*	*	*
	Marchmont	47	32	45.3	34.9	40.1	- 0.4	9	27	3	0.28	-0.55	23.8	?	42
	Alnwick Castle	46	33	45.3	35.7	40.5	- 1.5	9	24	4	0.74	-0.05	*	*	*
	Durham	50	34	47.0	35.5	41.3	+ 0.3	14	27	6	0.37	-0.32	16.3	+ 3.3	28
	Shields	51	36	48.4	36.4	42.4	- 0.4	26	16	2	0.32	-0.28	*	*	*
3. ENGLAND, E.	Scarborough	50	36	47.4	37.7	42.6	- 0.7	22	12	3	0.60	+0.10	*	*	*
	York	53	36	48.0	38.1	43.1	+ 0.8	24	11	4	0.69	+0.17	17.4	+ 7.4	29
	Spurn Head	50	35	48.1	40.0	44.1	+ 0.3	23	6	4	1.41	+0.84	*	*	*
	Hillington	51	36	49.1	39.2	44.2	+ 2.0	27	8	6	2.01	+1.39	26.0	+13.5	43
	Yarmouth	53	38	50.0	40.7	45.4	+ 1.4	29	4	7	1.84	+1.12	*	*	*
4. MIDLAND COUNTIES	Gedeston	54	37	51.2	40.6	45.9	+ 2.5	33	4	7	1.62	+0.99	24.3	+ 9.0	40
	Cambridge	55	37	51.7	38.7	45.2	+ 2.8	36	9	6	2.69	+2.21	26.7	+11.6	44
	Rothamsted	53	36	51.0	39.0	45.0	+ 3.0	34	8	7	3.60	+2.97	26.3	?	43
	Bawtry (Hesley Hall)	53	34	48.6	37.3	43.0	+ 1.0	27	13	5	0.85	+0.35	*	*	*
	Loughborough	55	37	51.0	39.3	45.2	+ 2.8	34	8	6	1.82	+1.30	*	*	*
5. ENGLAND, S.	Stamford (Ketton Hall)	56	35	51.0	37.7	44.4	+ 2.1	35	12	7	2.22	+1.62	*	*	*
	Cheadle	51	35	47.7	37.1	42.4	+ 1.2	23	14	5	1.40	+0.66	*	*	*
	Churchstoke	54	35	49.7	38.4	44.1	+ 0.9	31	10	5	2.15	+1.55	*	*	*
	Hereford	53	31	50.6	40.0	45.3	+ 3.5	32	6	5	2.97	+2.27	26.4	+13.8	43
	Cirencester	54	40	51.9	41.1	46.5	+ 3.5	35	3	6	3.24	+2.69	27.9	+14.9	46
6. SCOTLAND, W.	Oxford	54	40	51.9	41.1	46.5	+ 3.5	35	3	6	3.24	+2.69	27.9	+14.9	46
	London	55	41	52.9	41.9	47.4	+ 3.6	38	0	6	2.17	+1.65	21.5†	+12.5†	35†
	North Foreland	57	37	53.1	41.9	47.5	+ 3.0	39	0	7	2.08	?	*	*	*
	Strathfield Turgiss	59	39	53.3	40.6	47.0	+ 4.2	41	4	7	3.50	+2.90	*	*	*
	Dungeness	58	43	54.3	45.3	49.8	+ 4.6	55	0	7	1.51	+0.70	*	*	*
7. ENGLAND, N.W.	Hastings (St. Leonards)	57	41	55.8	43.3	49.6	+ 4.2	53	0	6	1.95	+1.17	23.4	+10.4	43
	Southampton	57	41	54.3	43.1	48.7	+ 3.9	47	0	7	3.29	+2.59	28.6	+13.2	46
	Hurst Castle	60	42	55.7	45.6	50.7	+ 4.7	61	0	6	3.84	+3.14	*	*	*
	Stowell	54	37	52.5	40.3	46.4	+ 3.0	38	5	7	4.09	?	*	*	*
	Laudale (Loch Sunart)	59	34	49.5	40.0	44.8	+ 2.3	28	6	7	4.49	+2.36	*	*	*
8. ENGLAND, S.W.	Glasgow	53	37	47.6	40.0	43.8	+ 2.0	21	6	5	1.05	+0.16	17.0	+10.6	30
	Ardrossan	53	41	49.3	43.4	46.4	+ 2.6	31	0	4	0.73	-0.18	*	*	*
	Glenlee	51	33	49.0	37.9	43.5	+ 2.7	28	11	5	2.47	+1.01	*	*	*
	Douglas (Isle of Man)	52	37	46.6	39.1	42.9	+ 0.4	18	8	5	1.20	+0.12	15.3	+ 4.7	26
	Stonyhurst	54	35	50.2	38.9	44.6	+ 1.4	31	9	4	1.07	+0.26	15.0	+ 4.4	25
9. IRELAND, N.	Manchester (Prestwich)	53	37	48.3	39.3	43.8	+ 1.3	24	8	5	0.76	-0.08	14.5	?	25
	Liverpool Obsy. (Bidston)	53	37	49.3	39.9	44.6	+ 0.6	27	8	4	0.56	-0.14	*	*	*
	Llandudno	56	40	51.4	42.5	47.0	+ 1.5	35	0	6	0.95	+0.15	19.0	+ 8.4	32
	Holyhead	54	41	50.6	43.1	46.9	+ 0.4	34	0	4	1.05	+0.15	*	*	*
	Llandovery	55	31	50.3	36.3	43.3	- 0.2	33	16	7	3.91	+2.71	*	*	*
10. IRELAND, S.	Pembroke	54	43	51.7	45.7	48.7	+ 1.6	47	9	5	2.19	+1.26	14.1	+ 0.1	23
	Bristol (Montpelier)	56	39	51.6	42.2	46.9	+ 3.2	34	0	6	3.43	+2.63	*	*	*
	Arlington (N. Devon)	54	37	50.0	39.6	44.8	+ 0.8	30	7	6	4.19	+2.70	*	*	*
	Cullompton	55	35	52.8	40.3	46.6	+ 2.1	39	5	6	3.76	+2.96	20.9	+ 9.4	34
	Falmouth	55	42	52.9	43.6	48.2	+ 0.5	44	0	6	4.70	+3.42	23.5	+ 6.9	38
CHANNEL ISLANDS	Plymouth	56	40	55.9	45.1	49.5	+ 2.8	53	0	6	4.19	+3.34	23.0	+ 9.3	37
	Prawle Point	59	39	54.4	43.0	48.7	+ 1.9	47	0	6	3.43	+2.68	*	*	*
	Malin Head	55	37	48.4	39.7	44.1	+ 0.8	24	6	7	1.34	?	*	*	*
	Londonderry	55	33	48.2	37.4	42.8	- 0.3	25	13	7	1.28	+0.29	*	*	*
	Edenfel (Omagh)	53	33	48.4	35.7	42.1	+ 0.3	27	18	7	1.45	+0.61	*	*	*
10. IRELAND, S.	Behnullet	53	40	49.7	43.0	46.4	- 0.4	31	0	7	2.12	?	*	*	*
	Markree Castle	55	32	49.4	36.5	43.0	+ 0.1	30	16	7	1.51	+0.68	23.6	+10.8	40
	Brookeborough	53	33	48.7	36.9	42.8	+ 1.2	27	14	6	1.47	+0.48	*	*	*
	Armagh	54	33	48.7	37.0	42.9	+ 0.8	27	14	6	0.94	+0.27	30.4	+17.2	52
	Donaghadee	54	34	49.6	35.4	42.5	- 1.5	31	18	4	0.35	-0.41	*	*	*
10. IRELAND, S.	Edgeworthstown	53	30	48.1	36.0	42.1	- 0.5	26	17	6	0.33	-0.50	*	*	*
	Dublin	57	36	51.0	40.7	45.9	+ 0.9	33	4	2	0.47	-0.11	29.2	+12.5	49
	Parsonstown	54	34	50.0	35.7	42.9	- 0.4	33	18	6	1.44	+0.79	22.2	+ 7.3	37
	Kilkenny	52	30	50.0	33.4	41.7	- 4.3	22	36	4	1.35	+0.73	*	*	*
	Roche's Point	53	40	51.3	41.7	46.5	- 0.3	33	1	6	3.28	+2.21	*	*	*
CHANNEL ISLANDS	Valencia	55	42	52.3	44.6	48.5	+ 0.7	46	0	7	3.42	+2.15	16.3	+ 1.9	27
	Killarney	55	37	52.0	41.2	46.6	+ 0.8	36	2	7	5.13	?	*	*	*
	Foynes	55	38	50.3	41.5	45.9	+ 1.2	29	1	7	2.30	?	*	*	*
	Scilly (St. Mary's)	55	42	53.4	45.6	49.5	- 0.3	53	0	5	5.51	+4.64	16.2	?	26
	Jersey	58	45	55.4	46.3	50.9	+ 2.7	62	0	5	1.40	+0.40	28.4	+12.7	45

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

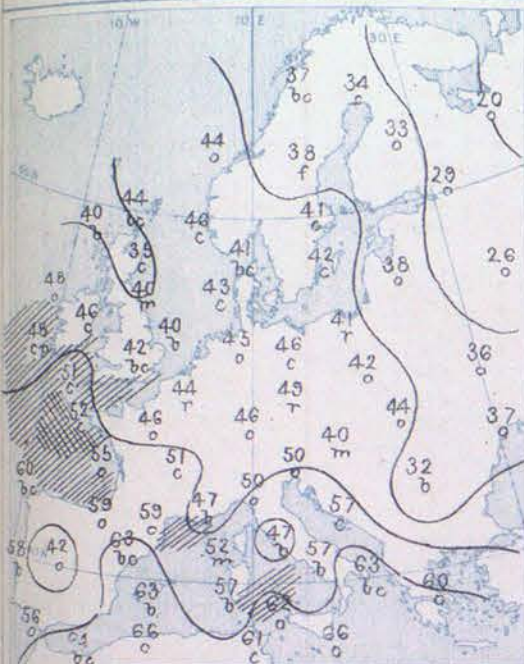
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 11th November.

Temperature and Weather.

8 a.m.

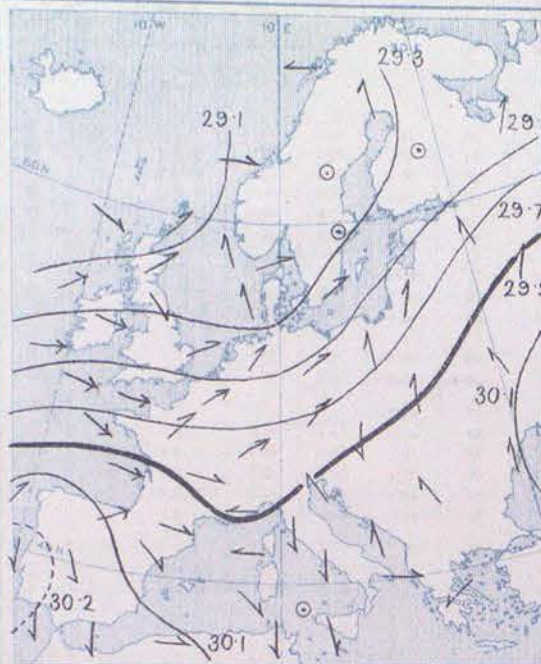


Weather in morning temporarily fine over almost the whole of the British Islands, but showery in the far west: very changeable over north-western Europe generally, dull over Russia, fine over the southern countries and the Mediterranean. Very heavy rain in the south-west of England later, and smaller quantities over the southern half of England generally and the north of France, as well as over north Germany. Some showers, thunder, and lightning in Scotland.

Temperature in morning still exceeding 60° on the southern and western shores of the Mediterranean (66° at Malta and Algiers), much lower over Europe generally. Below 50° over our Islands and the central countries, below 40° further north and east, and, lowest of all, (1) 20° at Archangel, 26° at Moscow, 27° at Kharkov, (2) 36° at Wick, 40° at Shields and Yarmouth, 41° at Oxford and the Scaw. Rising later to 70° and more over Algeria, the south of Italy, and at Palma, to 61° at Biarritz, to 55° and more in some parts of England, but not reaching 50° at our north-eastern stations.

Barometer and Wind.

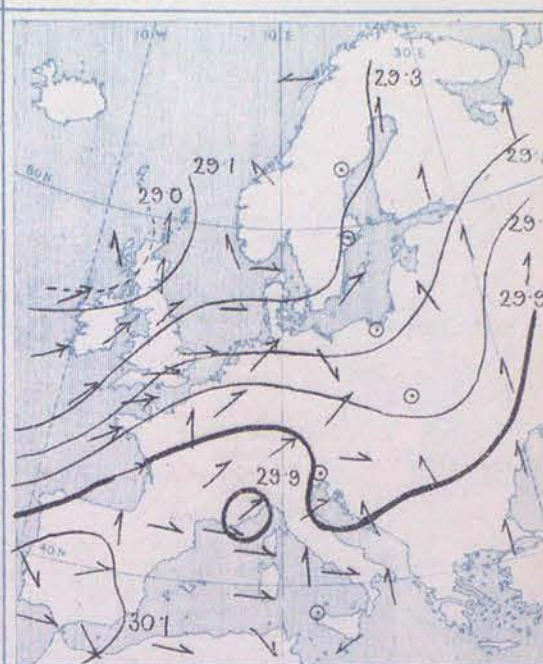
8 a.m.



Wind cyclonic over all the north-western countries, anticyclonic both in the south-west and the east. Westerly, light to strong, over our Islands and the Channel, South-Westerly over the Mediterranean: Southerly over Russia; light and very variable in the far south. Backing to South and South-West on our western coasts later, and rising to a gale at Scilly.

Barometer highest, 30.2 ins. and more to 30.0 ins. (1) over the south-east of Russia, (2) over the Iberian Peninsula. Lowest, 29.1 ins. and less over the north of Scotland, the Shetlands, and neighbouring parts of the Atlantic. French depressions approaching our north-western and south-western coasts later, causing decided fall of barometer over our Islands generally, the Bay of Biscay, and Spain.

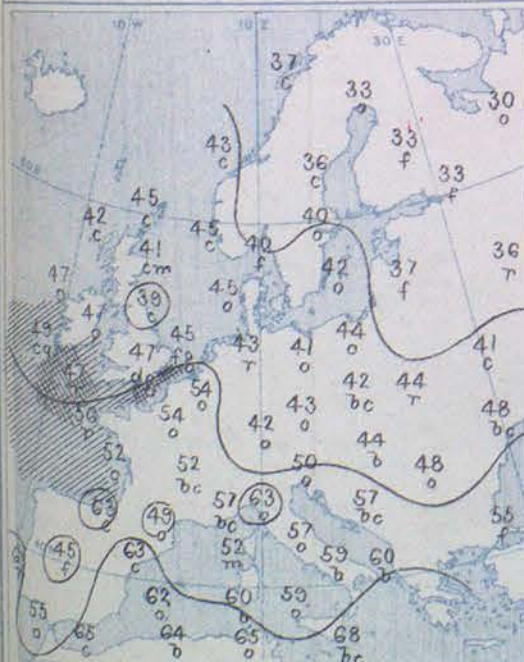
6 p.m.



Monday, 12th November.

Temperature and Weather.

8 a.m.



Weather in morning fine and bright at several stations in the extreme south-east and south of Europe and in Algeria, changeable and unsettled elsewhere, especially so over the British Islands and their neighbourhood. Very heavy rain falling later over the south-west of England, as well as in many parts of France and the Riviera, thunderstorms and hail very general over the south-eastern and southern midland counties of England.

Temperature risen decidedly over Russia and considerably over France and the south of England. Morning readings highest, 68° at Malta and 65° to 66° on the Algerian coasts; 63° at Biarritz, 57° at Jersey, 54° at Paris and Brussels. Lowest, (1) 30° to 33° in the north of Russia, 36° at Moscow and Hermsand; (2) 32° at Wick, 37° at Nairn, 39° at Shields. Rising later to between 60° and 58° over the southern half of England, to 59° at Brest and Lorient, 61° at Rochefort, 60° at Perpignan, and 70° and more on the southern side of the Mediterranean. Successive night cold over our Islands generally.

Barometer and Wind.

8 a.m.



Wind (1) Southerly, strong to a gale, over the Bay of Biscay, South-Westerly and Southerly, a gale, over the English Channel, Southerly, strong, over the Netherlands, but Northerly, a gale, at Scilly; Northerly, fresh to strong, over Ireland; (2) South-Westerly, moderate, over central Europe and north Germany, Southerly over the Gulf of Finland, calm over northern Europe; (3) light and extremely variable over the Mediterranean, Southerly, light, over the southern half of Russia. Southerly gale, very strong, in Straits of Dover later, but shifting to North-West and North over England, and blowing hard from those directions over our western, southern, and south-eastern countries generally.

Barometer highest, 30.2 ins. and more at San Fernando, 30.1 ins. and more over Tunis and the south of Italy, and exceeding 29.0 ins. over the southern half of Spain and the southern and south-eastern parts of Europe as a whole. Lowest, below 29.0 ins. in a depression over the north-east of Scotland and Moray Firth, and below 28.9 ins. in a smaller system at the mouth of the Channel. Latter system moving eastwards and north-eastwards later, and barometer rising rapidly over the United Kingdom.

Tuesday, 13th November.

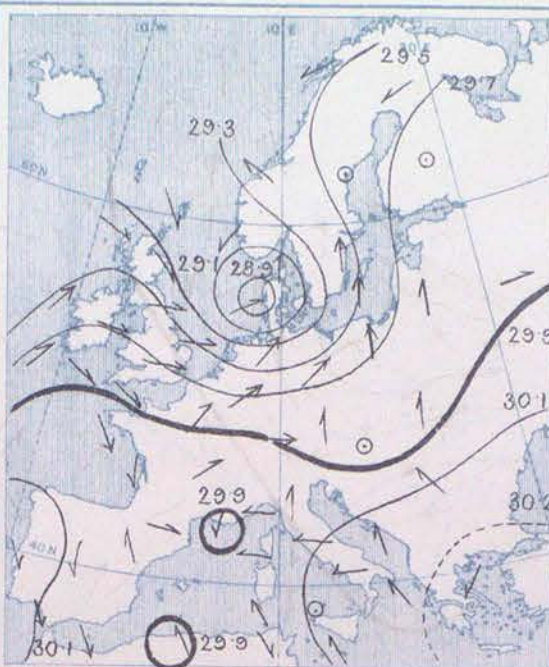
Temperature and Weather.

8 a.m.

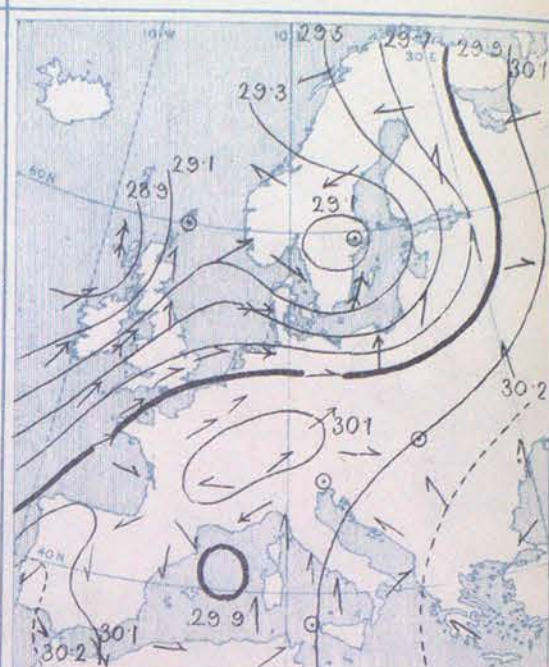


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning temporarily fine over the greater part of the British Islands and the north-west of Norway, dull and rainy on the eastern shores of the North Sea; unsettled, with snow, in the north of Finland, fine and quiet (1) over Portugal and (2) over south-eastern Europe. Much rain over the British Islands later, especially in the south-west, and a still larger quantity over the Riviera and on the Algerian coast. General conditions very rough and unsettled over the north-western and northern countries, showery over the Baltic.

Temperature highest, 68° at Malta, 67° at Algiers, and above 60° at several of the other extreme southern stations; 53° at Berlin, 52° at Swinemunde, but below 50° over Europe as a whole, and below 40° over Scotland and central Ireland. Lowest, (1) 28° at Haparanda, 34° at Bodø and Moscow, 35° at Kuopio; (2) 35° at Parsonstown. Rising later to 50° and more over our southern counties, to 55° at Wiesbaden, and to 57° at Rochefort and Biarritz, 70° in the south of Italy, 77° at Palermo, and between 75° and 80° in Tunis.

Wind very variable in direction and light to moderate in force over south-western, southern, and south-eastern Europe, and moderate from the Eastward in the far north. Strong to a gale in force from between South and West over Germany, Denmark, the North Sea, the Netherlands, Ireland, England, and the north of France, and blowing a gale from North in the south of Norway. Fresh to strong gales from the South-Westward and Southward setting in on our western and northern coasts later and spreading eastwards at night, strong Westerly winds on the coasts of north Germany.

Barometer highest, (1) 30.2 ins. and more to 30.0 ins. over the south-eastern countries of Europe, (2) 30.1 ins. and more to 30.0 ins. over the Peninsula and south-west of France. Lowest, 29.9 ins. and less in a depression over Denmark, about 29.2 ins. a little to the northward of the Shetlands, and below 29.6 ins. off our extreme north-west coasts. A small shallow depression lying over the extreme south of France. New and complex depression reaching our west and north-west coasts later, causing a rapid fall of the barometer over the British Islands generally.

Wednesday, 14th November.

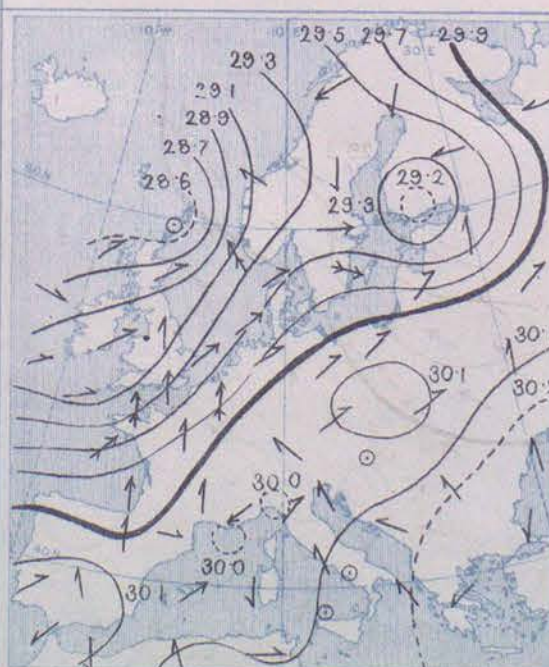
Temperature and Weather.

8 a.m.

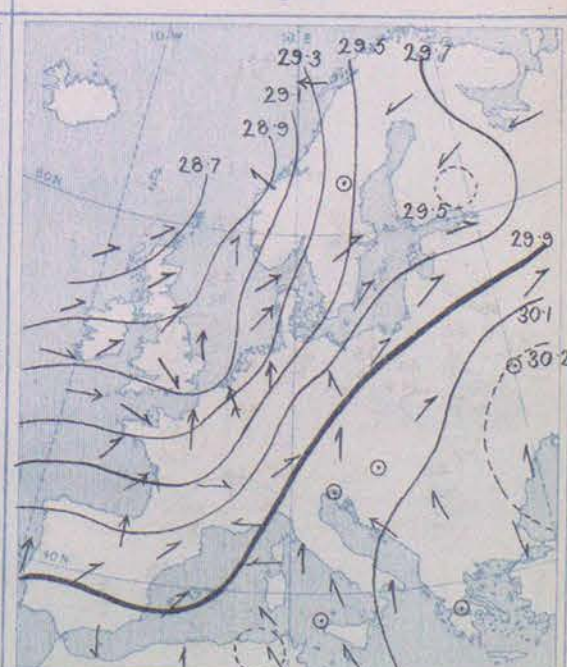


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over south-eastern Europe, as well as over some parts of Scotland and Ireland, very unsettled over the northern and north-western countries as a whole, and in many places (especially the south of England) extremely wet. Heavy rains in the last-named districts, the northern half of France and in the Netherlands subsequently (more than an inch in several places), and considerable falls over Denmark and the Baltic. Halos seen in many parts of England, aurora at Nairn.

Temperature in morning exceeding 60° at several of the Mediterranean stations, and exceeding 50° on the Atlantic coasts of France and Spain and the southern parts of England. Lowest, (1) 7° at Archangel, 27° at Haparanda, 32° at Bodø; (2) 30° at Belfort, 22° at Lyons, 34° at Munich and Wiesbaden; (3) 38° at Nairn, 39° at Wick and Parsonstown. Ranging between 50° and 56° over our southern counties during day, and between 63° and 69° over the south of France, and reaching 75° and more in the south of Italy. Not so warm over Algeria as of late.

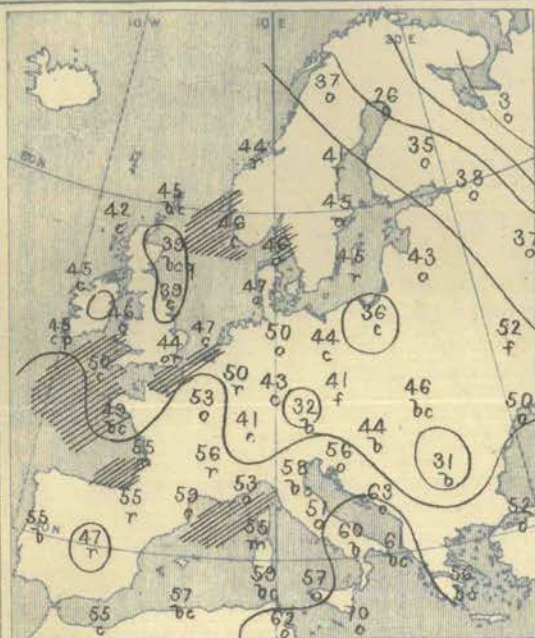
Wind still light to moderate and variable over the southern and south-eastern countries, rough and unsettled in the north-west and north, moderate to strong Southerly gales over the southern half of England, and strong South-Westerly to Westerly winds over Denmark and the Baltic, but Easterly to Northerly breezes over the northern half of Scandinavia, and South-Westerly winds, moderate to strong, in Scotland and the north of Ireland. The Southerly gale blowing with great violence over the Straits of Dover and on the coasts of Kent later, as well as over Belgium and the north-east of France; moderating and veering westwards over our south-western counties.

Barometer highest, 30.2 ins. and more to 30.0 ins. over the south-eastern and southern countries, but below 29.5 ins. in the north-west and north. Lowest, below 29.6 ins. in a depression off the north of Scotland; below 29.1 ins. in a secondary at the mouth of the Bristol Channel, and below 29.2 ins. in a small system over the south of Finland. The secondary disturbance moving eastwards over England during day, and undergoing some unusual development over Kent and Sussex; barometer rising a little in Ireland and Scotland.

Thursday, 15th November.

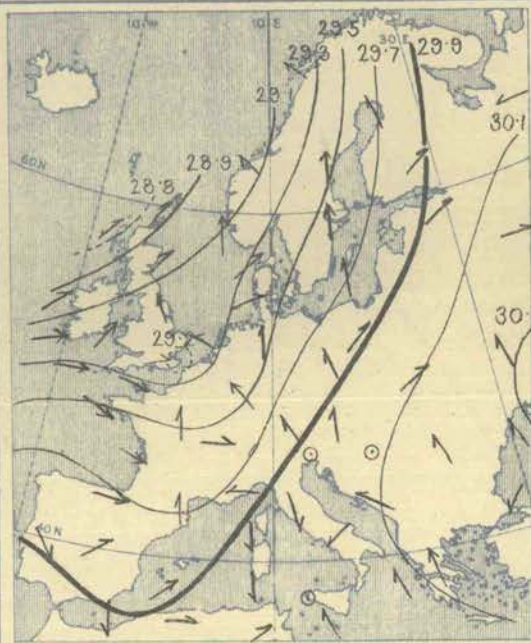
Temperature and Weather.

8 a.m.

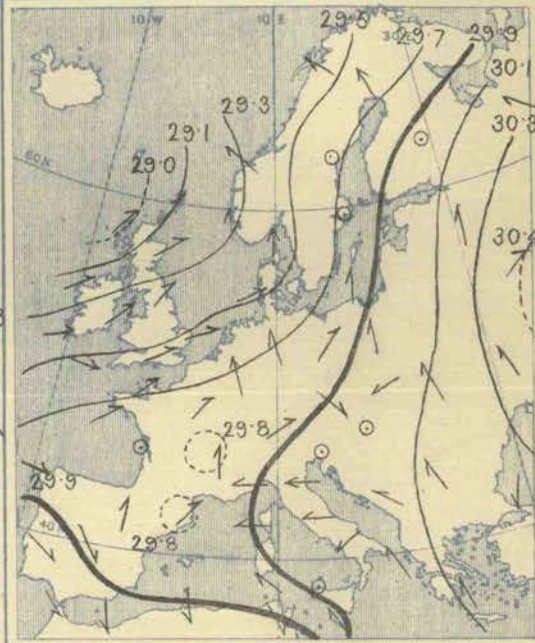


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine over south-eastern Europe, many parts of the Mediterranean, and the northern parts of the United Kingdom, still very rainy over France, the south-east of England, the Netherlands, and several parts of Scandinavia, and showery on our south-western and extreme western coasts. Rain later in large quantities at the stations over the northern and western parts of the Continent (including Spain), rain and hail in smaller quantities in the south and west of our Islands, but very heavy falls over the Riviera and south and east of France generally, lightning in many places.

Temperature in morning highest, 70° at Malta, and above 60° at several of the Mediterranean and Adriatic stations; above 50° on the southern and south-western coasts of Europe generally and at Paris. Lowest, (1) 3° at Archangel, 26° at Haparanda, 37° at Bodö and Moscow; (2) 31° at Hermanstadt, 32° at Munich; (3) 38° at Nairn and Parsonstown. Rising later to between 50° and 54° over the southern parts of our Islands generally, to 60° at Lyons, 65° at Perpignan, and to 70° and more over the south of Italy and Algeria. Succeeding night cold over the northern parts of the British Islands.

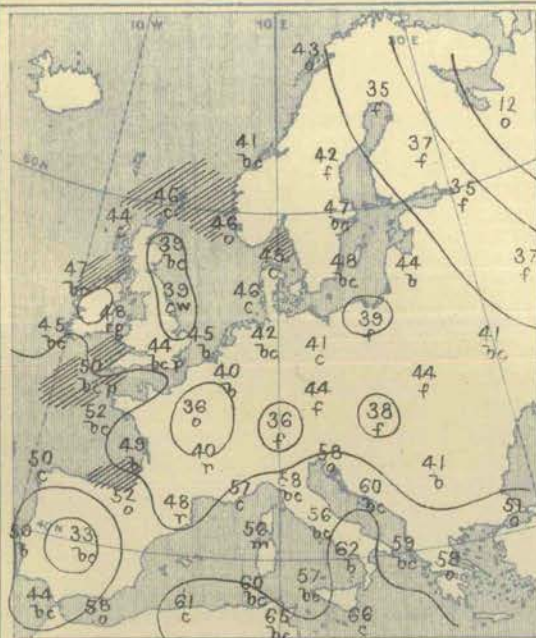
Wind Southerly and strong over the northern countries, moderate, Southerly over the Baltic, South-Westerly to Westerly in the west, and North-Westerly over the Bay of Biscay; South-Easterly over south-eastern Europe, Northerly over Italy, Sardinia, and Corsica. Moderating over Scandinavia later, little change over the British Islands and their neighbourhood as a whole, but local squall from North-West in the extreme south-east of England for a brief time.

Barometer highest, 30.3 ins. and more over the south of Russia, and varying between that value and 29.9 ins. over eastern and southern Europe as a whole. Lowest, 28.8 ins. and less off our extreme north-western coasts, and below 29.15 ins. in a small but well-marked depression over the south-eastern counties of England. Rising throughout our Islands during day; the local disturbances in the south-east disappearing, and a new disturbance showing itself.

Friday, 16th November.

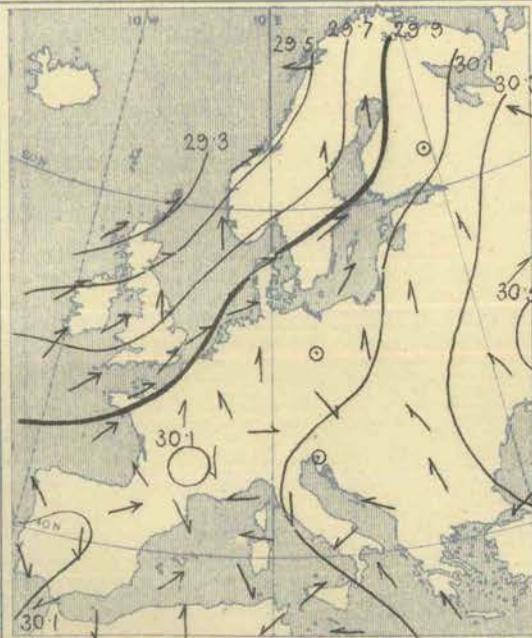
Temperature and Weather.

8 a.m.

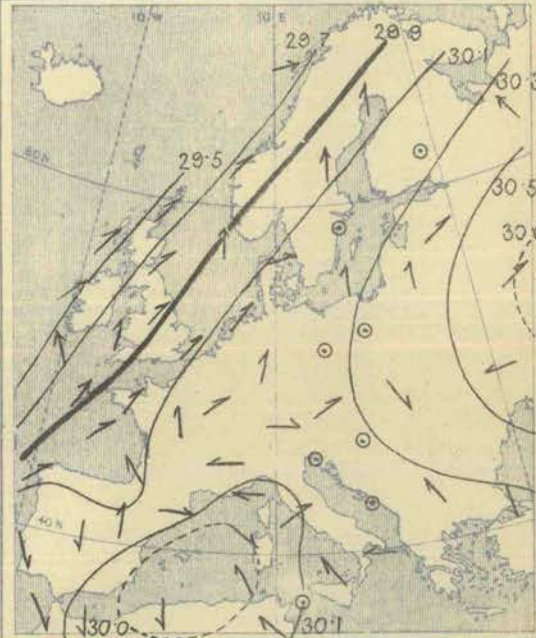


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine over Italy, Algeria, and some parts of Spain, foggy over Russia and many parts of central Europe, very changeable over the north-western countries, but clear at times. Some rain later over the greater part of the United Kingdom, Scandinavia, and the north-east of France, heavy falls in the south of Ireland and the south of France, thunder at Loughborough. A brilliant aurora seen at Wick, and fainter displays at the northern stations generally.

Temperature highest, 66° at Malta and above 60° at several of the Mediterranean stations, 52° at Biarritz, Lorient, and Dungeness. Lowest, (1) 12° at Archangel, but above the freezing point everywhere else, 35° at Haparanda and St. Petersburg, 36° at Kharkov; (2) 36° at Parsonstown, 39° at York, Donaghadee and Aberdeen. Rising to between 50° and 59° over Ireland and England later, and to 61° at Nice, 70° at Sanguinaire, 76° at Palermo and Algiers, and touching 50° at Wisby.

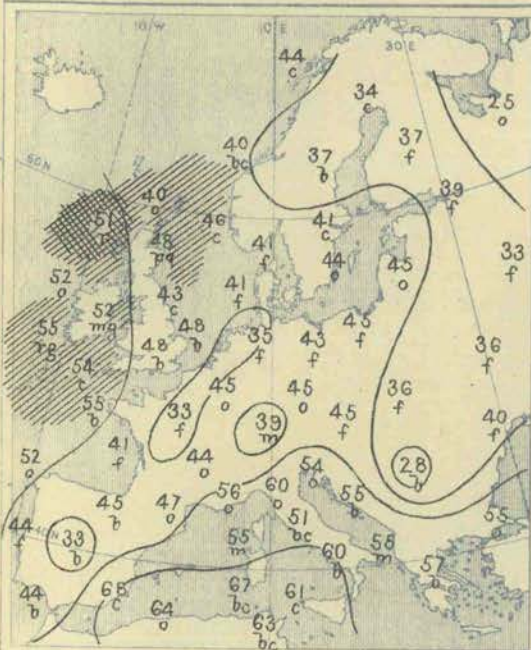
Wind very light and variable over eastern, central, and southern Europe, Southerly to Westerly over the north-western and northern countries, and moderate to strong in force, Easterly, light, at Bodö. Increasing to a gale from South on our western coasts later, and shifting to West-South-West at Bodö: not much change elsewhere.

Barometer highest, 30.5 ins. and more over Russia, and 30.0 ins. over nearly the whole of the Continent. Lowest, 29.3 ins. and less off the extreme north-west of Scotland. Rising in most places during day, but falling rather briskly in the west of Ireland; the Continental high-pressure area increasing in intensity and spreading westwards, while a new depression began to skirt our western coasts.

Saturday, 17th November.

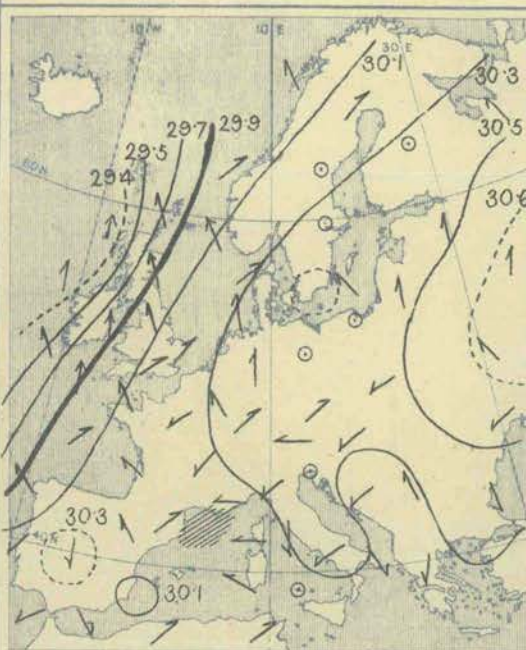
Temperature and Weather.

8 a.m.

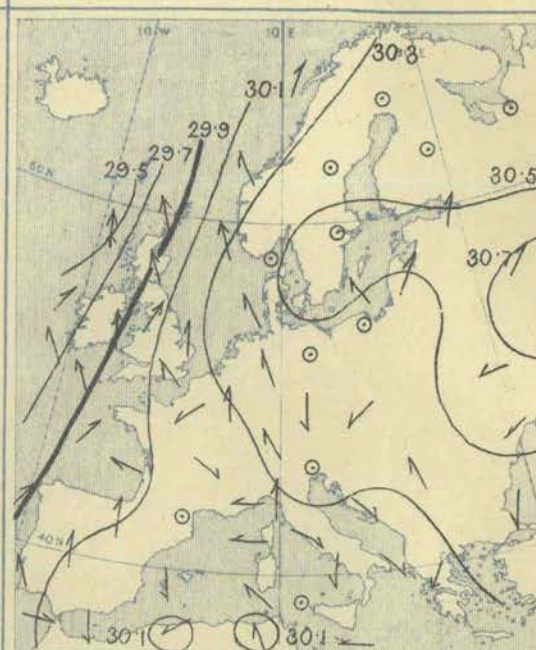


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair but dull over the Continent as a whole, with fog in very many places; bright, however, over parts of Sweden, the English Channel, and greater part of England generally, dull, squally, and rainy at our western and northern stations. Heavy rain later at several of our western and northern stations, slight falls over our southern and eastern counties and in north Germany, heavy falls over the Riviera. Sky clearing subsequently. Temperature risen again over the United Kingdom and high for time of year. Morning readings exceeding 60° at many of the Mediterranean stations; exceeding 50° at most of the stations in the south and west of the British Islands and west of France. Lowest, 25° at Archangel, 34° at Haparanda, 33° to 39° over central Russia, 33° at Paris. Rising to between 50° and 59° over our Islands later, and not tending to fall much towards night.

Wind very light and variable over eastern and central Europe, Easterly in the south of France; Southerly over the Bay of Biscay and British Isles (a gale at our western stations), South-Easterly over the North Sea and the Spanish Peninsula. Becoming more Southerly over the Iberian Peninsula later, but South-Easterly over the North Sea; no decided change elsewhere.

Barometer highest, 30.6 ins. and more over central Russia, and exceeding 30.3 ins. over the Baltic and south-east of Sweden; exceeding 30.0 ins. over the Continent, the North Sea, and greater part of England. Lowest, below 29.4 ins. off the Hebrides and extreme west of Scotland—gradients rather steep over the north-western and northern parts of our Islands, and becoming very steep there later, but barometer rising generally.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

This week commenced with a continuance of rough stormy conditions over the north-western and northern countries, but with comparatively quiet conditions in the south-east and south, excepting over the Riviera, where small disturbances produced heavy local falls of rain. Over the north-western districts depressions of considerable importance continued to advance from the Atlantic, the primaries striking our northern coasts and moving thence in a north-easterly direction, while the secondaries (which at times were deep) struck our south-western coasts first, and, advancing eastward and north-eastward, dispersed over the Continent. The latter systems brought enormous quantities of rain to the southern parts of the British Islands, and these caused floods of unusual volume and duration in the river-valley of those regions.

While these events were proceeding, pressure was highest over the south of Russia, and, after Wednesday, it began to increase decidedly. The result was that the Russian anticyclone became larger, and, spreading eastwards, brought quieter, drier weather to the North Sea and Great Britain, and the depressions which then approached the Irish coasts were kept well out to the westward and expended their force at our most western stations.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 272.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	26.7	?	48	?	EASTBOURNE	23.2	?	37	?
OSWALDKIRK (Yorkshire)	15.8	?	27	?	MANCHESTER (Oldham Road)	9.8*	?	16*	?
WORKSOP	20.5	+ 8.7	34	+14	TENBY	16.5*	?	27*	?
THURCASTON (Leicestershire)	26.4	+14.4	44	+24	NEWQUAY	21.5	?	35	?
MARGATE	22.1	?	36	?	TORQUAY	24.1*	?	39*	?
WESTBOURNE (Sussex)	24.3*	?	39*	?	ARLEY COITAGE (County Cavan)	26.2	?	44	?
BRIGHTON	27.4	?	44	?	GUERNSEY	18.1*	?	29*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, NOVEMBER 24TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1868-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 278.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	29	49.7	40.0	44.9	5 above	Day-deg. 29	Day-deg. +14	Day-deg. 6	Day-deg. -12	Day-deg. 2172	Day-deg. +336	Day-deg. 571	Day-deg. - 61
	1. SCOTLAND, EAST	55	21	48.5	36.5	42.6	3 above	27	+10	15	- 8	2260*	- 69	695	+ 17
	2. ENGLAND, N.E.	56	32	49.5	40.2	44.8	4 above	27	+ 8	5	-10	2526	+ 49	488	- 84
	3. ENGLAND, EAST.	55	29	49.7	35.6	42.6	1 above	31	+ 9	18	+ 2	2961	+ 87	505	-145
	4. MIDLAND COUNTIES.	55	30	49.6	38.2	44.0	3 above	30	+ 8	11	- 7	2900*	+ 79	519	-140
5. ENGLAND, SOUTH	57	28	51.1	40.3	45.7	3 above	33	+ 3	5	- 6	3306	+166	315	-402	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	61	27	51.3	39.7	45.6	4 above	35	+14	6	- 6	2488*	+ 72	390*	- 84
	7. ENGLAND, N.W.	57	34	51.6	43.3	47.5	5 above	39	+17	0	-11	2843	+231	313	-154
	8. ENGLAND, S.W.	57	28	51.7	42.3	47.1	3 above	36	+ 1	0	- 5	3033	+144	241	- 99
	9. IRELAND, NORTH	55	24	49.5	37.4	43.5	1 above	30	+ 6	13	- 1	2638	+ 71	383	- 38
	10. IRELAND, SOUTH	57	30	51.7	40.0	45.8	1 above	35	+ 1	6	- 4	3001	+ 77	240	- 87
	-CHANNEL ISLANDS	57	40	52.7	46.1	49.4	2 above	52	+ 2	0	- 1	3729	+333	94	- 19

DISTRICTS. (See p. 278.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.					For the Week.				From December 31st, 1893.			
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10	4 less	207	-11	46.4	+ 2.1	6	+ 3	11	+ 5	1107	+116	31	+ 2	
	1. SCOTLAND, EAST	3	3	4 less	185*	+ 5	31.8*	+ 3.0	9	+ 1	18	+ 1	1264	+ 71	34	+ 2	
	2. ENGLAND, N.E.	4	1	5 less	191	+24	24.2	+ 0.1	3	- 7	5	-14	1252	+ 77	31	+ 2	
	3. ENGLAND, EAST.	3	1	5 less	187	+23	26.0	+ 1.3	15	+ 2	25	+ 3	1414	- 41	34	- 1	
	4. MIDLAND COUNTIES.	3	2	4 less	179	+17	25.2	- 0.9	9	- 2	15	- 4	1281*	- 5	31	0	
5. ENGLAND, SOUTH	2	1	6 less	180	+23	39.0	+ 4.0	23	+ 7	39	+14	1517	- 25	25	0		
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	12	1 less	194*	+ 5	44.9*	- 0.1	5	- 4	10	- 6	1322*	+ 46	32	+ 1	
	7. ENGLAND, N.W.	5	4	4 less	150*	+15	32.7	- 0.9	4	- 3	7	- 5	1202	+ 54	32	+ 1	
	8. ENGLAND, S.W.	4	6	5 less	193	+11	41.2	+ 4.8	13	0	22	0	1550	- 16	37	0	
	9. IRELAND, NORTH	5	6	3 less	211	+ 7	34.2	+ 1.7	7	- 4	13	- 7	1226	+ 66	30	+ 2	
	10. IRELAND, SOUTH	5	6	3 less	194	+ 7	40.0	+ 5.1	12	- 1	21	- 3	13.9	- 76	32	- 1	
	-CHANNEL ISLANDS	3	2	8 less	169	+ 5	36.1	+ 6.0	17	+11	28	+17	1697	- 70	42	- 2	

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued somewhat changeable, with occasional rain, during the earlier part of the period, but subsequently became drier and more settled than for many weeks past. Bright aurora was observed on several occasions over the extreme north of Scotland, and a very brilliant display over all the more northern parts of that country on the 23rd.

Temperature was above the mean in all districts, the excess varying from 1° in England E. and over Ireland, to 4° in England N.W. and Scotland W., and to 5° in Scotland N. and England N.W. The highest of the maxima were recorded during the earlier days of the week over England and rather later in Ireland and Scotland; they ranged from 61° in Scotland W. to 55° in Scotland E., Ireland N., England E. and the Midland Counties. The lowest of the minima occurred on the 24th, when they varied from 21° in Scotland E. and 24° in Ireland N. to 24° in England N.W. and to 40° in the Channel Islands.

Rainfall was less than the mean in all districts, the deficit in most instances being considerable.

Bright Sunshine varied a good deal in amount in different parts of the country, being above the mean in most of the southern and northern districts, and below it at most of the western stations and in England N.E. The percentage of the possible duration ranged from 39 in England N., and from 28 in the Channel Islands, to between 10 and 18 in Scotland, to 7 in England N.W., and to 5 in England N.E.

Barometer and Wind.—During the early part of the week large depressions continued to skirt our extreme western and northern coasts, while their secondary systems moved eastwards directly over our Islands; Southerly and South-Westerly winds consequently again prevailed very generally. As the week advanced, however, an anticyclone spread over the Kingdom from the southward, and, by the end of the period, covered the whole of this country and its immediate neighbourhood. The South-Westerly current, therefore, died down, and, towards the end of the time, was superseded by light or moderate airs from the Eastward.

The following additional information has been received concerning the rainfall in Dorsetshire for the preceding week:—At Cattistock and at Hazelbury the amounts measured between the 11th and 14th were 5.76 ins. and 6.63 ins. respectively, while the amounts recorded from October 20th–November 16th, were 13.45 ins. at Cattistock, 14.73 ins. at Godmanstone, and 16.28 ins. at Hazelbury.

II.—DATA from which the SUMMARY on page 277 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	52	42	49.9	44.6	47.3	+ 6.5	37	0	4	0.50	-0.48	*	*	*
	Stornoway	52	33	49.7	40.7	45.2	+ 4.4	28	4	5	1.32	+0.22	10.9	+ 2.9	21
	Wick	53	31	49.9	40.4	45.2	+ 5.0	29	4	2	0.07	-0.60	*	*	*
	Glencarron	56	29	50.0	36.5	43.3	+ 4.2	32	15	6	1.30	-0.95	*	*	*
	Fort Augustus	55	29	48.8	37.8	43.3	+ 3.4	27	12	6	0.90	-0.12	1.0	?	?
1. SCOTLAND, E.	Fort William	54	31	49.9	39.9	44.9	+ 4.1	29	6	5	1.67	-0.16	5.9	?	11
	Nairn	55	23	50.9	35.3	43.1	+ 3.3	36	19	2	0.13	-0.39	*	*	*
	Aberdeen	55	30	48.6	39.9	44.3	+ 4.1	25	6	4	0.55	-0.16	12.4	+ 1.3	24
	Braemar	49	21	45.2	33.9	39.6	+ 2.8	9	31	4	0.28	-0.62	9.0†	?	17†
	Ochertyre	52	26	49.0	34.1	41.6	+ 2.4	20	33	5	0.60	-0.41	*	*	*
2. ENGLAND, N.E.	Leith	55	32	51.4	38.9	45.2	+ 3.5	35	9	3	0.19	-0.30	*	*	*
	Marchmont	50	32	46.0	37.1	41.6	+ 2.3	11	20	1	0.03	-0.77	6.5	?	12
	Alnwick Castle	53	32	49.3	39.4	44.4	+ 3.6	28	7	6	0.15	-0.63	*	*	*
	Durham	55	34	49.1	40.5	44.8	+ 4.9	26	4	5	0.14	-0.53	2.3	- 0.5	4
	Shields	56	38	50.4	40.9	45.7	+ 4.2	31	3	3	0.03	-0.58	*	*	*
3. ENGLAND, E.	Scarborough	53	35	49.4	39.2	44.3	+ 2.3	23	8	3	0.30	-0.39	*	*	*
	York	55	36	49.9	40.1	45.0	+ 4.0	29	5	3	0.05	-0.45	2.9	- 5.3	5
	Spurn Head	52	39	48.6	41.0	44.8	+ 2.4	24	3	2	0.07	-0.48	*	*	*
	Hillington	52	31	49.3	35.6	42.5	+ 2.0	30	18	1	0.18	-0.44	11.2	- 0.3	20
	Yarmouth	52	35	49.4	39.0	44.2	+ 2.0	28	8	3	0.12	-0.57	*	*	*
4. MIDLAND COUNTIES	Gehleston	55	29	50.6	35.2	42.9	+ 0.9	35	19	6	0.15	-0.49	13.6	- 0.1	23
	Cambridge	54	30	50.3	34.1	42.2	+ 1.2	35	22	1	0.07	-0.40	19.1	+ 5.8	33
	Rothamsted	52	30	48.7	33.9	41.3	+ 0.5	19	33	4	0.15	-0.47	14.7	?	25
	Bawtry (Hesley Hall)	54	34	49.3	38.3	43.8	+ 3.0	28	10	2	0.04	-0.46	*	*	*
	Loughborough	55	34	50.4	38.6	44.5	+ 3.4	32	10	1	0.22	-0.28	*	*	*
5. ENGLAND, S.	Stamford (Ketton Hall)	54	30	49.9	35.4	42.7	+ 1.8	33	18	5	0.18	-0.42	*	*	*
	Cheadle	52	34	48.3	39.4	43.9	+ 3.9	24	7	2	0.29	-0.41	*	*	*
	Churchstoke	55	32	50.9	39.6	45.3	+ 4.6	33	7	2	0.32	-0.48	11.7	+ 1.4	20
	Hereford	53	33	49.2	33.6	41.4	+ 2.4	27	7	4	0.35	-0.25	*	*	*
	Gloucester	52	31	49.3	37.0	43.2	+ 2.8	29	14	3	0.33	-0.37	12.9	+ 1.9	22
6. SCOTLAND, W.	Oxford	54	34	49.7	38.0	43.9	+ 2.1	30	11	1	0.14	-0.41	10.9	0.0	19
	London	56	34	51.1	37.0	44.1	+ 1.6	36	14	1	0.09	-0.44	11.9†	+ 4.7†	24†
	North Foreland	55	40	51.4	42.9	47.2	+ 3.9	36	0	1	0.15	?	*	*	*
	Strathfield Turgiss	53	28	49.3	33.5	41.4	+ 0.1	20	35	3	0.18	-0.42	*	*	*
	Dungeness	57	38	51.9	43.4	47.7	+ 3.8	40	0	1	0.03	-0.75	*	*	*
7. ENGLAND, N.W.	Hastings (St. Leonards)	57	37	53.0	43.4	48.2	+ 4.3	43	0	1	0.12	-0.58	27.0	+13.5	46
	Southampton	56	35	51.5	39.5	45.5	+ 2.9	35	7	1	0.20	-0.55	16.4	+ 4.4	28
	Hurst Castle	55	39	51.4	44.0	47.7	+ 3.2	40	0	1	0.11	-0.59	*	*	*
	Stowell	53	34	49.5	38.3	43.9	+ 1.8	29	10	5	0.17	?	*	*	*
	Laudale (Loch Sunart)	61	32	56.0	41.3	48.7	+ 7.2	50	2	6	2.92	+0.73	*	*	*
8. ENGLAND, S.W.	Glasgow	53	33	48.7	39.2	44.0	+ 3.5	26	8	5	0.40	-0.48	2.5	- 2.6	5
	Ardrossan	52	35	50.6	42.0	46.3	+ 3.8	30	0	5	0.44	-0.46	*	*	*
	Glenties	53	27	49.2	35.7	42.5	+ 2.8	30	18	5	1.33	-0.17	*	*	*
	Douglas (Isle of Man)	54	34	52.0	40.3	46.2	+ 2.8	37	5	2	0.85	-0.26	8.2	- 4.8	15
	Stonyhurst	52	38	48.7	42.4	45.6	+ 4.5	25	0	4	0.41	-0.67	2.3	- 7.1	4
9. IRELAND, N.	Blackpool	54	40	51.1	42.6	46.9	+ 5.1	34	0	6	0.49	-0.31	4.5	- 4.4	8
	Manchester (Prestwich)	53	34	51.8	41.2	46.5	+ 5.5	35	2	3	0.14	-0.66	1.7†	?	3†
	Liverpool Obsy. (Bidston)	55	40	52.0	42.9	47.5	+ 4.7	39	0	4	0.22	-0.46	*	*	*
	Llandudno	57	41	53.4	45.2	49.3	+ 4.9	51	0	6	0.23	-0.59	12.2	+ 3.2	21
	Holyhead	54	43	52.7	45.6	49.2	+ 3.7	50	0	5	0.95	+0.07	*	*	*
10. IRELAND, S.	Llandoverly	54	28	51.7	38.6	45.2	+ 2.9	37	10	5	1.20	+0.04	*	*	*
	Pembroke	54	42	52.4	47.9	50.2	+ 4.2	57	0	4	0.89	-0.06	5.1	- 7.3	9
	Bristol (Montpelier)	55	36	51.2	40.9	46.1	+ 3.3	33	3	3	0.24	-0.58	*	*	*
	Arlington (N. Devon)	53	33	50.1	40.1	45.1	+ 2.1	30	5	4	0.98	-0.48	*	*	*
	Cullompton	54	32	51.1	37.7	44.4	+ 1.4	35	12	4	0.24	-0.63	15.4	+ 5.9	26
CHANNEL ISLANDS	Falmouth	54	40	52.3	45.3	48.8	+ 1.9	48	0	4	0.47	-0.39	11.6	- 3.0	19
	Plymouth	57	37	55.0	44.9	49.0	+ 3.5	49	0	4	0.35	-0.43	15.7	+ 3.9	26
	Prawle Point	54	39	52.0	43.1	47.6	+ 2.1	39	0	2	0.13	-0.65	*	*	*
	Malin Head	52	40	49.4	43.0	46.2	+ 3.7	22	0	5	0.60	?	*	*	*
	Londonderry	53	31	49.5	33.0	42.8	+ 1.8	29	11	7	0.55	-0.44	*	*	*
9. IRELAND, N.	Edenfel (Omagh)	52	25	47.4	36.3	41.9	+ 1.1	15	24	5	0.54	-0.30	*	*	*
	Behmullet	53	28	51.0	42.1	46.6	+ 0.6	32	0	7	1.30	?	*	*	*
	Markree Castle	53	24	49.2	34.1	41.7	- 0.1	20	33	6	0.41	-0.39	8.8	- 2.2	16
	Brookeborough	53	29	48.7	36.2	42.5	+ 2.1	23	16	6	0.50	-0.52	*	*	*
	Armagh	53	28	49.5	36.0	42.8	+ 1.8	31	17	4	0.35	-0.35	7.4	- 5.0	13
10. IRELAND, S.	Donaghadee	55	32	51.3	36.9	44.1	+ 1.1	36	14	5	0.41	-0.34	*	*	*
	Edgeworthstown	55	28	49.9	33.8	41.9	+ 0.4	22	35	4	0.52	-0.34	*	*	*
	Dublin	57	38	53.2	41.6	47.4	+ 3.5	39	1	4	0.30	-0.32	10.7	- 4.4	19
	Parsonstown	55	30	50.7	37.0	43.9	+ 1.7	34	14	5	0.51	-0.18	9.6	- 3.4	17
	Kilkenny	54	30	51.1	39.3	45.2	+ 1.3	34	8	4	0.63	0.00	*	*	*
CHANNEL ISLANDS	Roche's Point	53	36	51.4	44.0	47.2	+ 1.3	36	0	4	0.81	-0.31	*	*	*
	Valencia	55	36	53.0	44.1	48.6	+ 1.6	46	0	5	0.91	-0.32	15.6	+ 3.5	27
	Killarney	56	32	52.2	34.6	43.4	- 1.5	41	21	6	0.70	?	*	*	*
	Foynes	54	33	50.2	39.5	44.9	+ 0.9	31	7	4	0.42	?	*	*	*
	Scilly (St. Mary's)	57	44	54.4	48.3	51.4	+ 2.6	66	0	3	0.28	-0.63	8.0	?	13
CHANNEL ISLANDS	Jersey	57	40	50.9	43.9	47.4	+ 0.3	38	0	2	0.03	-0.98	24.0	+10.8	39

Stations marked *g* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 18th November.

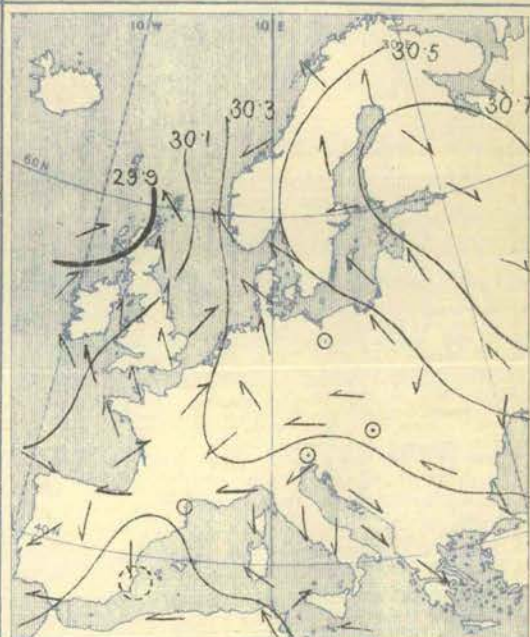
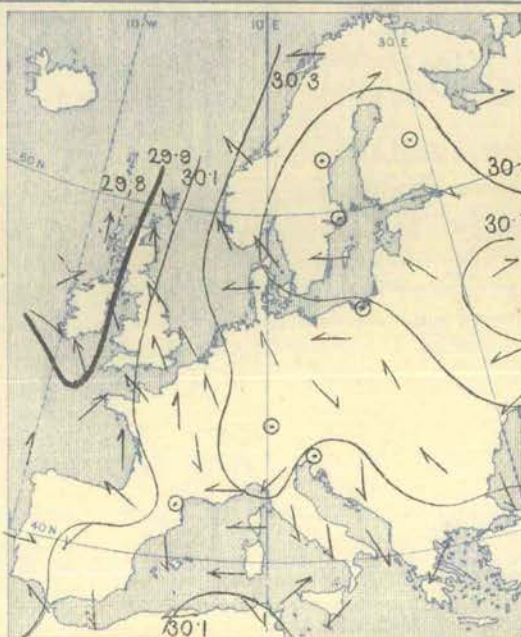
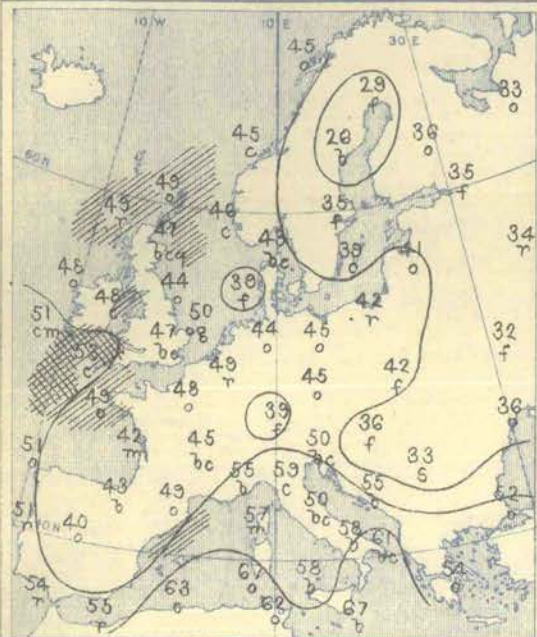
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fair or fine in the east of Scotland and the west and south of England; dull in other parts of our Islands, with rain in several places. Cloudy over the greater part of the Continent, with fog at several of the northern and central stations; rain over the Netherlands and southern parts of the Spanish Peninsula, and snow at Hernalstadt. Fine in the southern parts of France and Italy. Weather clearing later over Ireland, but becoming unsettled, and showery in the east of Scotland. Heavy rain falling at some of the southern French stations.

Temperature fallen generally, but risen in Norway and Germany. Morning readings highest, 67° at Cagliari and Malta, 63° at Algiers, and 62° at Tunis; above 55° at most of the Mediterranean stations, and above 50° over some parts of our own western coasts. Lowest, 26° at Hernalstadt, 23° at Haparanda, 30° at Kharkov, and 32° at Helsingfors and Kiev; below 40° in many parts of northern, eastern, and central Europe. Rising during day to between 50° and 55° over the greater part of our Islands, exceeding 60° over southern Europe generally, and exceeding 70° in Sicily and Sardinia.

Wind Southerly or South-Easterly over western Europe generally, but Westerly or North-Westerly in the south of Ireland; strong to a gale in force over the Irish Sea and extreme north of Scotland. Calm over central Sweden, light from the Westward or North-Westward over northern and central Russia; Easterly in the south of Russia. Very variable over Germany and Austria; Northerly in Italy; Easterly or North-Easterly over the greater part of the Spanish Peninsula. No important change occurring during day, but wind backing to the Southward again in the south of Ireland.

Barometer highest, 30.7 ins. and upwards over central Russia; 30.2 ins. and upwards in an anticyclone covering the whole of northern, central, and eastern Europe. Lowest, 29.8 ins. and less in a "V" shaped depression lying off the west of Scotland. Depression subsequently moving northwards, and barometer rising in all parts of north-western Europe.

Monday, 19th November.

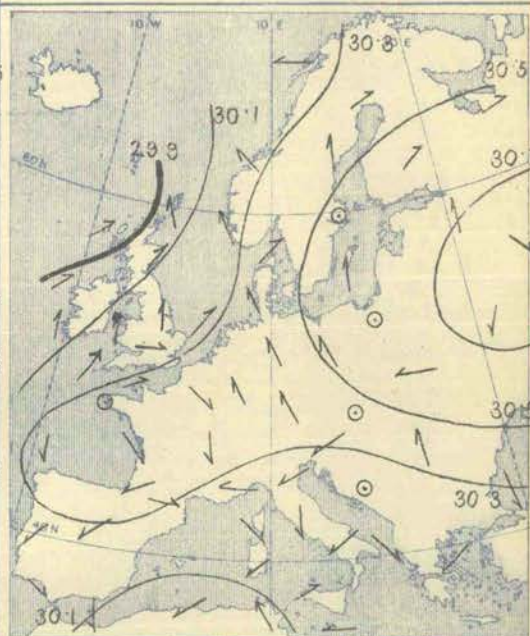
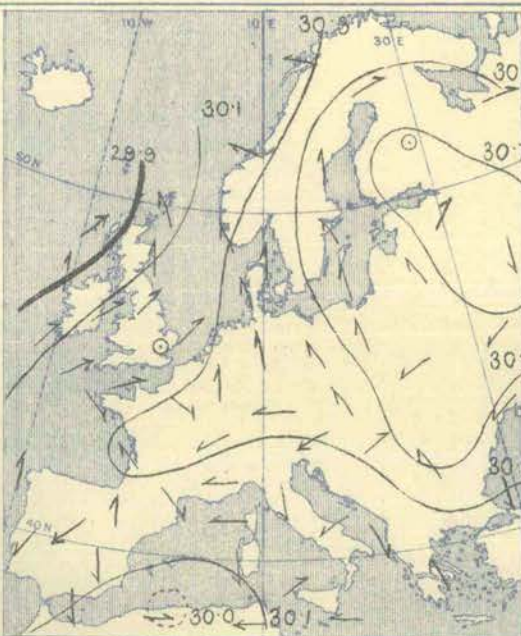
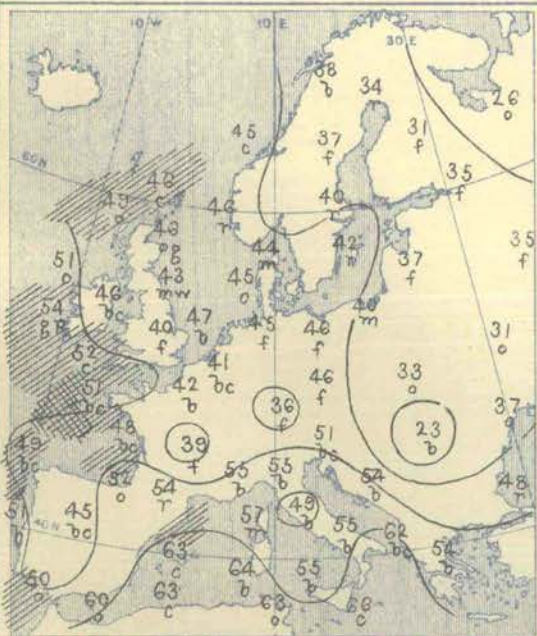
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine in most parts of Great Britain, but with fog over our eastern and midland counties, as well as in the west of Scotland; showery at many of the Irish stations. Fog very prevalent over the northern, eastern, and central parts of the Continent, and rain reported in the south of Scandinavia; weather fine and bright in most of the southern countries, but rain falling in the north-east of Spain. Rain falling later in the west of our Islands generally, and showers in the north; bright aurora seen at Wick.

Temperature risen in Sweden, Denmark, Spain, and the western parts of Ireland and France, fallen in most other localities. Morning readings highest, 69° at Tunis, 66° at Malta, and 64° at Cagliari, above 55° at most of the Mediterranean stations, and above 50° on our own southern and extreme western coasts. Lowest, 23° at Hernalstadt, 25° at Archangel, and 31° at Kuopio, Kiev, and Kharkov; below 40° over northern and eastern Europe generally. Rising during day to between 50° and 55° in most parts of the United Kingdom, and reaching 57° at some of our southern coast stations. Exceeding 60° over southern Europe generally, and reaching 73° at Cagliari and Palermo.

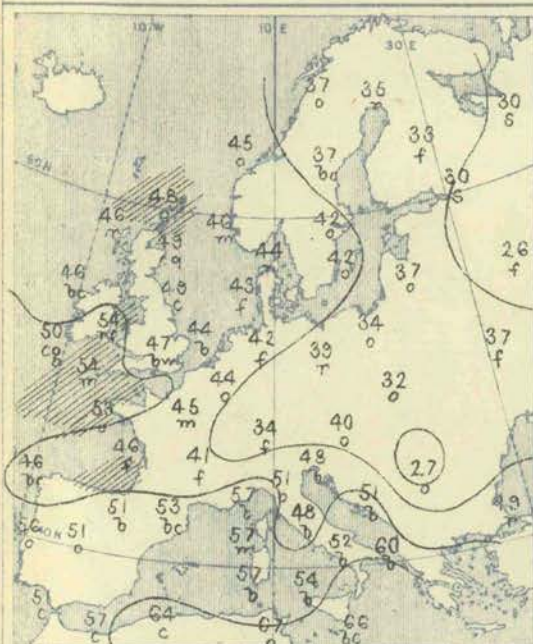
Wind Southerly or South-Westerly in our Islands, light or moderate in force generally, but strong on our extreme north-west coasts. Light from the South-Eastward in most parts of Scandinavia, Denmark, Germany, and France; Easterly or North-Easterly over the Spanish Peninsula, North-Easterly in the south of Russia, variable in Austria and Italy. No important change occurring over western Europe during day.

Barometer highest, 30.7 ins. and upwards over Finland and central Russia; 30.2 ins. and upwards in an anticyclone embracing the whole Continent and extending over the south and south-east of England. Lowest, 29.9 ins. and less in a depression lying off our extreme north-west coasts. Depression subsequently moving northwards, barometer changing slightly and irregularly in our Islands.

Tuesday, 20th November.

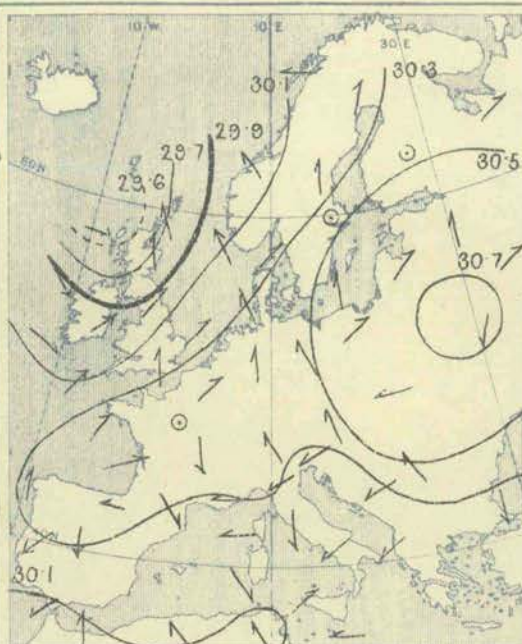
Temperature and Weather.

8 a.m.

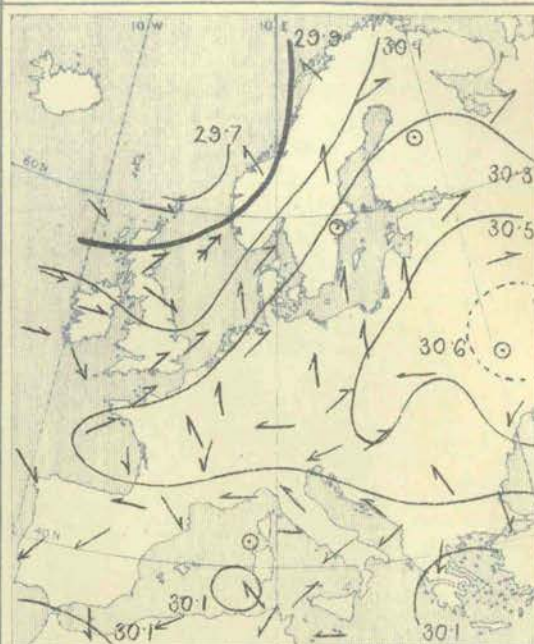


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull in nearly all parts of our Islands and the Continent, with rain in Ireland, the west of Scotland, and the north-west of England, as well as at several of the Scandinavian and Danish stations, and with snow at St. Petersburg. Fog reported over a considerable portion of the Continent, but weather fine and bright in Italy and the south of France. Rain falling later in nearly all parts of our Islands, and hail on our extreme north-west coasts; lightning seen at Wick and Holyhead. Snow at Moscow in evening.

Temperature risen over our Islands and their immediate neighbourhood, but fallen in most other localities. Morning readings highest, 67° at Stax, 66° at Malta, 64° at Algiers, and 63° at Barcelona; above 55° at the Mediterranean stations generally, and above 50° in several parts of the United Kingdom. Lowest, 26° at Moscow, 27° at Hermanstadt, and 30° at Archangel and St. Petersburg. Rising during day to between 50° and 55° in many parts of our Islands; exceeding 60° in the south of France, and exceeding 65° in Spain and the south of Italy.

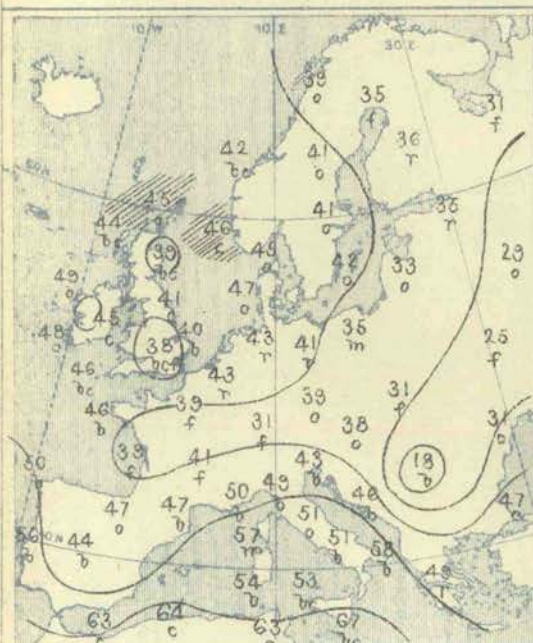
Wind moderate to fresh from the Westward or North-Westward in Ireland and the Hebrides; Southerly or South-Westerly in all other parts of the United Kingdom, and strong in force on the west coasts of Great Britain. Light from the Southward over Sweden and Denmark, South-Easterly or Easterly in the west of Norway. South-Easterly in Germany, but North-Easterly in nearly all parts of southern and south-eastern Europe. Subsequently veering to the Westward in the western and northern parts of our Islands generally; no important change occurring elsewhere, but Southerly gale springing up at Skudesnaes.

Barometer highest, 30.7 ins. and upwards over central Russia, 30.3 ins. and upwards in an anticyclone covering the whole of eastern, central, and the greater part of northern Europe. Lowest, 29.6 ins. and less in a depression off the north of Scotland. Depression subsequently travelling north-eastwards; "V" shaped secondary disturbances passing eastwards across Ireland and England; barometer rising briskly in their rear.

Wednesday, 21st November.

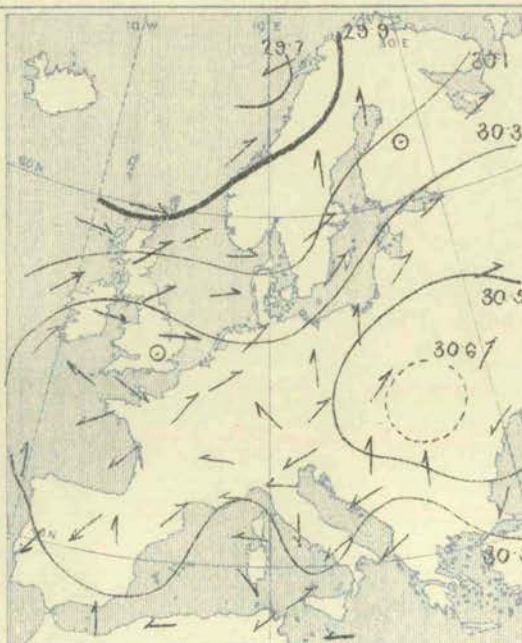
Temperature and Weather.

8 a.m.

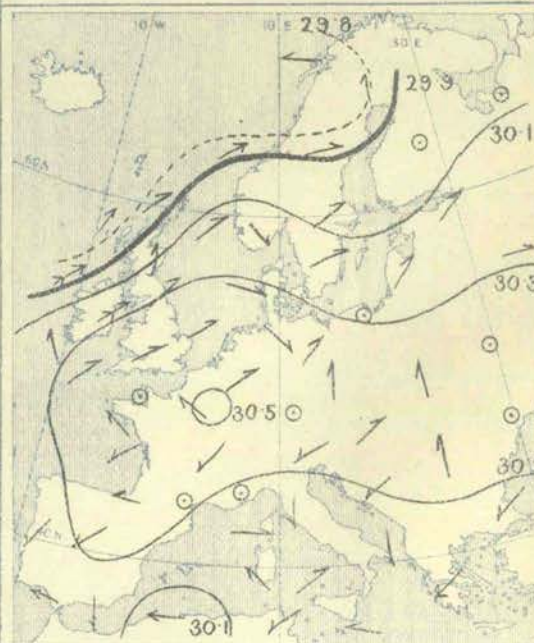


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of our Islands, but dull in the west and north of Ireland, with passing showers at Malin Head. Dull over the northern, eastern, and central parts of the Continent, with fog in many places, and with rain over Belgium, north Germany, and the Gulf of Finland. Fine and bright over the southern countries and the Mediterranean. Rain falling later in the northern and north-western parts of our Islands and the Continent, but amounts mostly slight; solar halos seen at Oxford and Jersey, and lightning at Malin Head and Prawle Point.

Temperature risen slightly over northern Europe, fallen elsewhere, briskly over our Islands. Morning readings highest, 67° at Malta, 64° at Algiers, and 63° at Oran and Tunis; above 55° at several of the Mediterranean stations. Lowest, (1) 18° at Hermanstadt, 25° at Kiev, 27° at Kharkov, and 29° at Moscow; (2) 51° at Loughborough and 37° at Cambridge and Parsonstown. Daily maxima below 50° at many of our own northern, eastern, and central stations; thermometer exceeding 60° over southern Europe generally, and exceeding 70° in the south of Italy. Slight frost occurring at night over the inland parts of England.

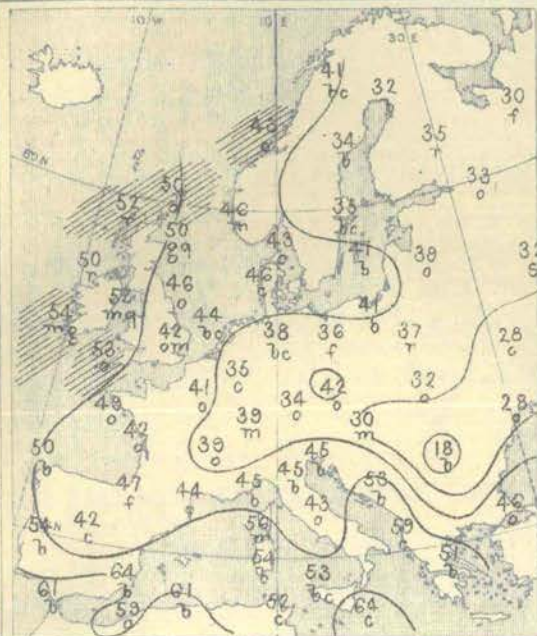
Wind South-Westerly on most parts of our western and northern coasts, as well as in Scandinavia, Denmark, and Finland; moderate in force generally, but strong in the north of Ireland. Light from the North-Westward in the south and south-east of England, and from the North-Eastward or Eastward over the Bay of Biscay and the greater part of southern Europe; strong from the Eastward in Greece, with a gale at Patras; variable in Austria. Subsequently increasing to a gale from the South-Westward in the north-west of our Islands; no important change occurring elsewhere.

Barometer highest, 30.6 ins. and upwards over eastern Austria; 30.2 ins. and upwards in an anticyclone covering all but the extreme northern parts of the Continent, and extending westwards over England and Ireland. Lowest, 29.7 ins. and less in a depression off the north-west of Norway. New and large disturbance appearing later off our extreme north-west coasts, and barometer falling decidedly in the western and northern parts of the United Kingdom.

Thursday, 22nd November.

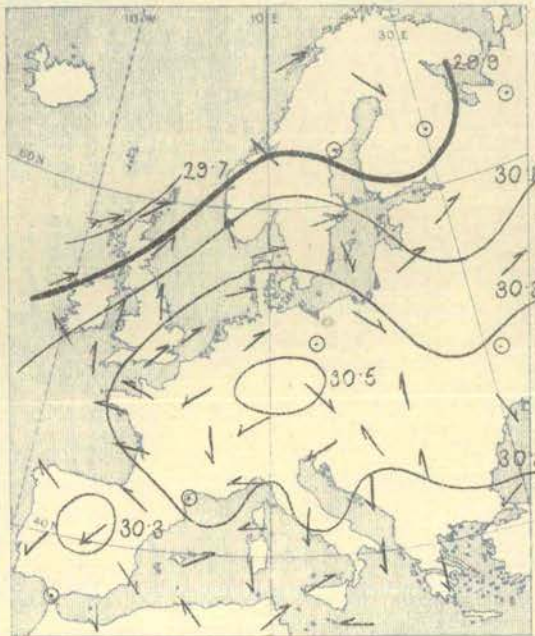
Temperature and Weather.

8 a.m.

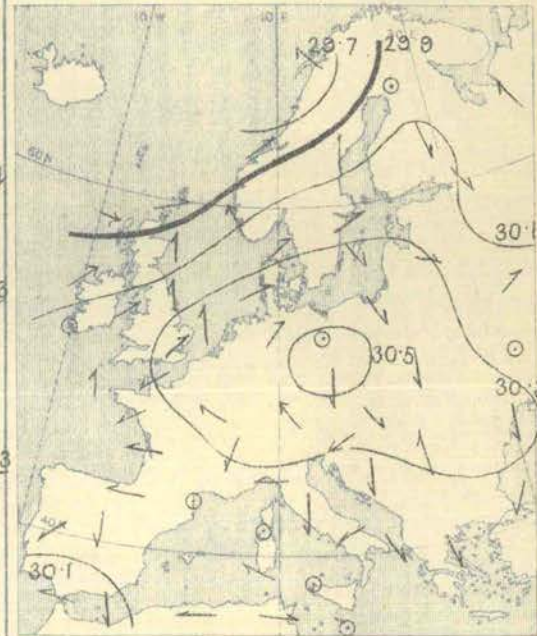


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning dull in all the more western and northern parts of the United Kingdom, with rain at Stornoway and Belmullet, but fine in the extreme south-east of England. Fine over Sweden and the Baltic, as well as over the greater part of southern Europe, but dull in most of the central and eastern countries, with fog in Germany and northern Russia, rain at Kuopio and Warsaw, and snow at Moscow. A little rain falling later at many of our own western stations, but sky clearing in evening in Ireland and Scotland.

Temperature risen briskly in our Islands, but fallen in most other countries. Morning readings highest, 64° at Malta, 61° at San Fernando and Algiers, and 59° at Brindisi and Nemours, above 50° at several of our own western and northern stations. Lowest, 18° at Hermanstadt, 20° at Kharkov, and 28° at Kiev, Odessa, and Nicolaieff, below 40° in most parts of northern, eastern, and central Europe. Rising during day to between 50° and 55° in our Islands, and to 60° and upwards in most parts of southern Europe, the highest reading of all being 73° at Palermo.

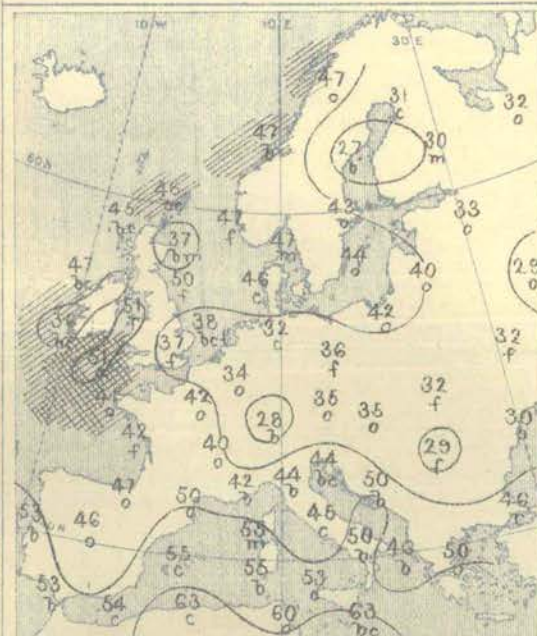
Wind Southerly or South-Westerly in our Islands, and strong in force on our north-west coasts, with a gale at Stornoway, South-Easterly in the west of Norway. Calm in the northern parts of Sweden and Russia, North-Westerly over the Baltic and eastern Germany; variable in Austria. Light from the Eastward in France, North-Easterly in Spain; Northerly in Italy. Subsequently veering to the Westward on our extreme northern coasts; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over south Germany; 30.2 ins. and upwards in an anticyclone covering the whole of central and southern Europe, and extending westwards over England. Lowest, 29.7 ins. and less in a depression off the north-west of Scotland. Depression subsequently moving north-eastwards, barometer rising on all our western and northern coasts, but falling slightly in the south.

Friday, 23rd November.

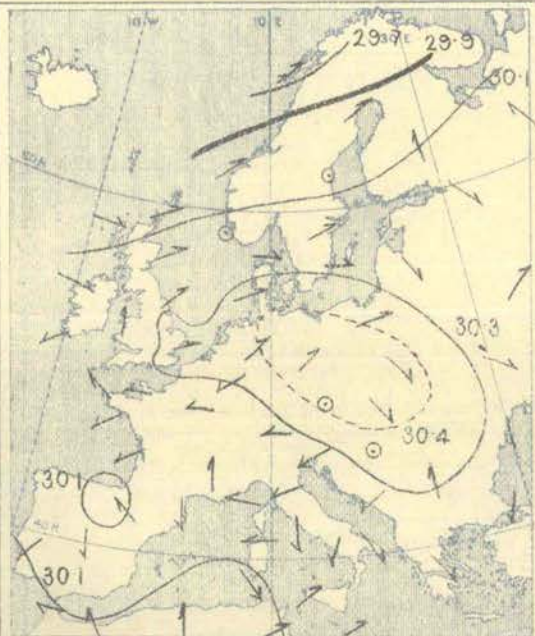
Temperature and Weather.

8 a.m.

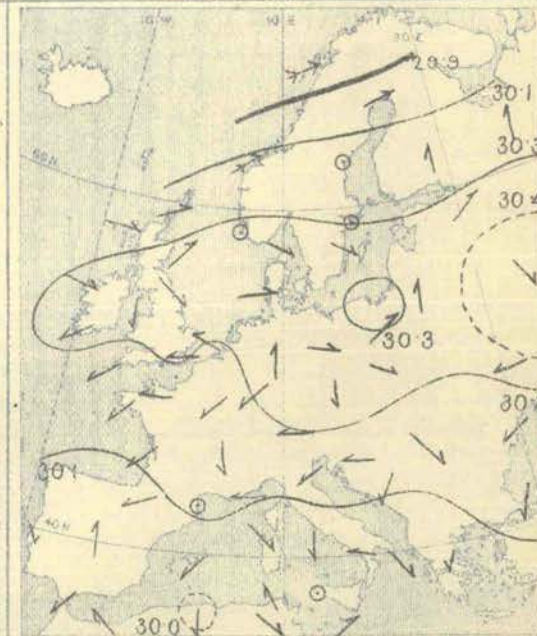


Barometer and Wind.

8 a.m.



8 p.m.



Weather in morning fine over the greater part of Ireland and Scotland, but foggy over eastern and central England, and dull at several of our western stations, with rain at Holyhead and Roche's Point. Dull over the Continent generally, with local fogs, but fine and bright over western Germany, Italy, and the southern parts of the Spanish Peninsula. Slight rain falling later at several of our western stations. Brilliant aurora seen over the northern parts of Scotland and Sweden.

Temperature risen over Scandinavia and the Baltic, but fallen in most other parts of Europe. Morning readings highest, 63° at Algiers and Malta, and 60° at Sfax; above 50° at the Mediterranean and Spanish coast stations generally, and above 45° in the Shetlands and west of Norway. Lowest, (1) 25° at Kharkov, 27° at Hersonsand, and 29° at Nicolaieff and Hermanstadt; (2) 28° at Munich; (3) 33° at Parsonstown and 35° at Cambridge. Daily maxima below 50° in most parts of Great Britain and also over the Netherlands and central France. Thermometer exceeding 60° over Spain and the southern parts of France and Italy. Frost occurring at night over Scotland and the central parts of England and Ireland.

Wind Westerly or South-Westerly over Scandinavia, Denmark, the Baltic, and the northern parts of the United Kingdom, light or moderate in force generally, but blowing a gale at Bodø. Light to moderate from the Eastward or North-Eastward over France, the Netherlands, western Germany, and the extreme south of our Islands; Northerly or North-Easterly in Spain and Italy. No important change occurring during day, but South-Westerly gale springing up at Christiansund.

Barometer highest, 30.4 ins. and upwards over Germany and Poland; 30.1 ins. and upwards in an anticyclone covering all but the extreme northern and north-western parts of Europe. Lowest, 29.7 ins. and less in a shallow depression off the north-west of Norway. Barometer rising steadily all day over the northern countries, but falling slightly in the south; general distribution of pressure remaining unchanged.

Saturday, 24th November.

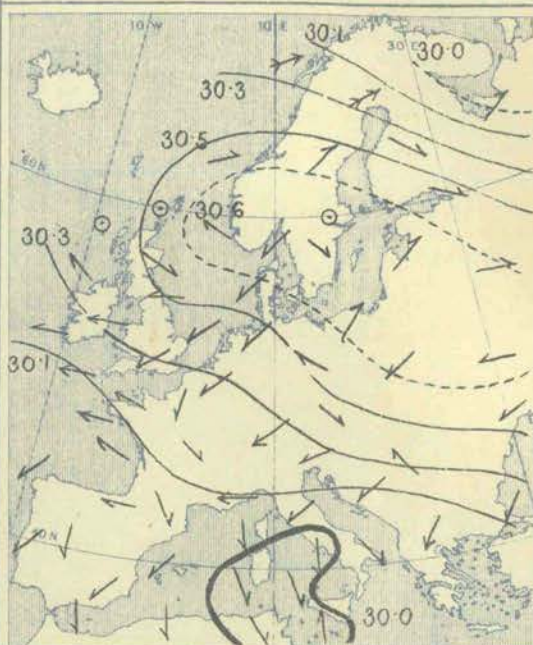
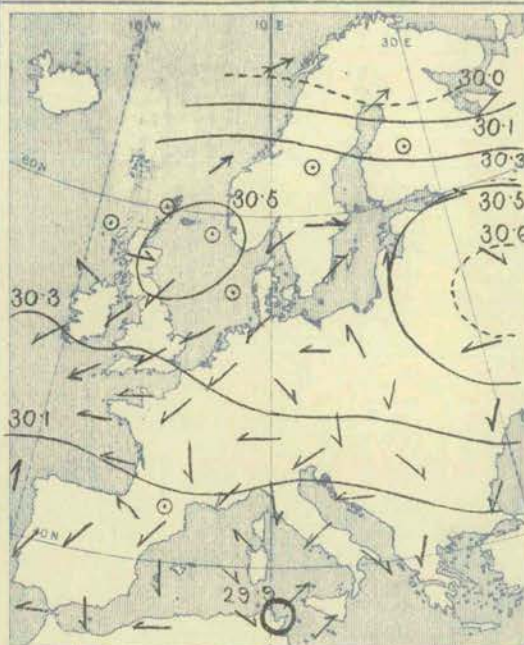
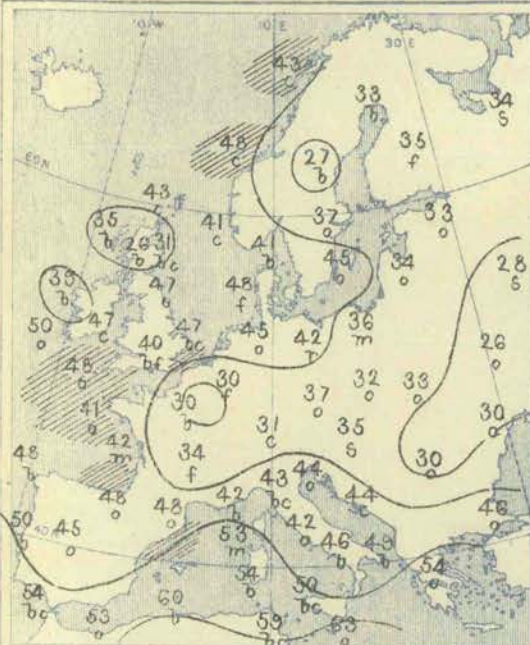
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fair or fine over the greater part of western and southern Europe, but with fog in many parts of our Islands, as well as at Carlstadt, Fanø, and Brussels. Dull in the central and eastern countries, with rain at Berlin and Helsingfors, and with snow at Archangel, Moscow, and Vienna. Scarcely any change occurring later, but aurora seen in the north of Scotland, as well as at several of the Scandinavian stations.

Temperature risen in Denmark, Germany, and the east of England, but fallen in most other localities. Morning readings highest, 63° at Malta, 60° at Algiers, 59° at Sfax, and 55° at Barcelona and Tunis; above 50° at most of the Mediterranean stations. Lowest, (1) 26° at Kiev, 28° at Moscow and Kharkov, and 29° at Nicolaieff; (2) 26° at Nairn and 31° at Aberdeen; (3) 30° at Brussels and Paris. Daily maxima below 50° in many parts of the United Kingdom and France, and as low as 37° at Aberdeen; thermometer exceeding 60° in Spain and the southern parts of France and Italy, and reaching 72° at Palermo. Frost occurring at night at several of our northern and central stations.

Wind light to moderate from the Eastward or North-Eastward over England, Ireland, France, Spain, Germany, and the Netherlands. Calm or variable in Scotland, as well as in Denmark and the south of Norway; South-Westerly over the northern parts of Scandinavia and Russia, with a gale at Bodø. Variable in the south of Russia; North-Westerly in Austria, Northerly (North-West to North-East) in Italy. Subsequently increasing to a strong breeze from the Eastward in the western parts of the English Channel; South-Westerly gale springing up at Uleaborg.

Barometer highest, 30.6 ins. and upwards over central Russia; 30.5 ins. and upwards over the northern part of the North Sea; 30.3 ins. and upwards in an anticyclone embracing nearly the whole of eastern, central, and north-western Europe. Lowest, 30.0 ins. and less in a depression over the north of Scandinavia and also in an irregularly shaped area over the Mediterranean and central Italy. No important change occurring during day; barometer rising in the northern and central, but falling in the southern countries.

GENERAL NOTES.

During nearly the whole of the week a large anticyclone embraced the greater part of the Continent, its central portion, with readings above 30.7 ins., being situated over Russia. Light breezes, chiefly from the South-Eastward, were, therefore, reported generally, with dull, foggy weather in most places, and with frost in the eastern countries. In our Islands the conditions were at first affected by a series of depressions which skirted our north-west coasts, the wind being moderate to strong from the Southward or South-Westward and the weather mild, changeable and showery. On the 19th, however, the anticyclone began to extend westward over France in the form of a long band, and, after the 21st, this portion of the high-pressure system spread northwards, so that by the end of the week anticyclonic conditions were prevalent, not only over the Continent, but also over the whole of our Islands. The wind over the United Kingdom now shifted gradually to the Eastward, and the weather, though cloudy in most places, became colder and much drier than for some time previous.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 278.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	9.8	?	18	?	EASTBOURNE	24.9	?	42	?
OSWALDKIRK (Yorkshire)	4.0	?	7	?	MANCHESTER (Oldham Road)	0.5*	?	1*	?
WORKSOP	3.2	- 7.4	6	-12	TENBY	8.1*	?	14*	?
THURCASTON (Leicestershire)	4.7	- 5.2	8	-10	NEWQUAY	20.0	?	33	?
MARGATE	31.4	?	53	?	TORQUAY	18.1*	?	30*	?
WESTBOURNE (Sussex)	22.6*	?	38*	?	ARLEY COTTAGE (County Cavan)	5.9	?	11	?
BRIGHTON	26.0	?	44	?	GUERNSEY	19.5*	?	32*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)					Rainfall.		Bright Sunshine.		
		Highest observed.	Lowest observed.	Averages for the Week.			Number of Rainy Days.	Rainfall in the Week. Inches.	Difference from the Mean for the Week. Inches.	Number of Hours recorded.	Difference from Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.					
August 4th, 1894.	Newquay	—	—	—	—	—	—	—	—	31.3	?
" 11th, "	Killarney	65	49	62.6	52.5	57.2	—	0.94	?	—	—
Sept. 1st, "	Arley Cottage	—	—	—	—	—	—	—	—	3.3	?
" 15th, "	Port Augustus	64	37	61.6	46.1	53.5	2	0.02	-0.84	27.6	?
" 22nd, "	Bawtry	66	40	62.9	44.0	53.0	1	0.01	-0.57	—	—
" 29th, "	Landale	65	45	61.3	46.8	53.7	0	—	-1.64	—	—
" 29th, "	Edgeworthstown	60	35	57.3	40.5	48.5	0	—	-0.72	—	—
" 29th, "	Killarney	65	33	59.9	43.1	51.1	2	0.06	?	—	—
" 29th, "	Arley Cottage	—	—	—	—	—	—	—	—	34.4	?

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Third Series.

WEEK ENDING SATURDAY, DECEMBER 1ST, 1894.

[Price 6d.
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post paid, £1 10s. 6d.]

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 284.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	31	48.1	39.5	43.8	4 above	Day-deg. 23	Day-deg. +11	Day-deg. 7	Day-deg. -15	Day-deg. 2195	Day-deg. +347	Day-deg. 578	Day-deg. -76
	1. SCOTLAND, EAST	54	23	46.8	34.5	40.6	2 above	13	0	29	+1	2273	-69	724	+18
	2. ENGLAND, N.E.	53	29	47.0	38.0	42.5	2 above	20	+5	11	-9	2546	+54	499	-93
	3. ENGLAND, EAST	50	28	45.4	35.8	40.6	1 above	10	-7	24	+4	2979	+80	529	-143
	4. MIDLAND COUNTIES	51	25	45.0	34.8	39.9	0 (average)	8	-10	27	+4	2908	+69	546	-136
	5. ENGLAND, SOUTH	49	26	45.1	37.4	41.3	1 below	9	-17	19	+3	3315	+149	334	-159 ^a
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	59	27	49.1	38.6	43.9	3 above	28	+11	10	-5	2516	+83	400	-89
	7. ENGLAND, N.W.	51	27	46.9	38.4	42.7	1 above	20	+2	10	-4	2865	+223	323	-158
	8. ENGLAND, S.W.	52	22	46.2	37.1	41.7	2 below	12	-18	20	+12	3095	+126	261	-87
	9. IRELAND, NORTH	53	25	47.4	37.1	42.3	1 above	23	+3	14	-3	2661	+64	397	-41
	10. IRELAND, SOUTH	54	25	47.8	35.0	41.5	2 below	16	-13	29	+16	3017	+64	269	-71
	—CHANNEL ISLANDS	53	35	49.5	42.8	46.2	1 below	29	-16	0	-2	3758	+317	94	-21

DISTRICTS. (See p. 284.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	10ths of in.	10ths of ins.	210	-14	46.7	+1.1	4	-1	8	-5	1211	+115	31	+2
	1. SCOTLAND, EAST	0	-	7 less	185	+1	31.8	+2.3	14	+5	29	+9	1278	+76	34	+2
	2. ENGLAND, N.E.	0	-	6 less	191	+19	24.2	-0.5	20	+12	37	+22	1272	+89	31	+2
	3. ENGLAND, EAST	0	-	6 less	187	+19	25.0	+0.7	8	-4	15	-7	1422	-45	34	-1
	4. MIDLAND COUNTIES	0	-	6 less	179	+13	25.2	-1.6	10	+1	18	+1	1291	-4	31	0
	5. ENGLAND, SOUTH	0	-	7 less	180	+19	39.0	+4.2	14	+3	24	+4	1531	-22	25	0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	1	12 less	196	+3	45.0	-1.3	6	-2	12	-3	1328	+45	32	+2
	7. ENGLAND, N.W.	2	1	8 less	152	+13	32.8	+0.2 ^a	5	0	9	0	1267	+54	32	+2
	8. ENGLAND, S.W.	0	-	10 less	193	+6	41.2	+3.8	16	+6	28	+10	1566	-10	36	-1
	9. IRELAND, NORTH	2	less than ½	8 less	213	+3	34.2	+0.8	12	-1	21	-2	1238	+66	30	+2
	10. IRELAND, SOUTH	0	-	9 less	194	+2	40.0	+4.3	19	+7	35	+13	1328	-69	32	-1
	—CHANNEL ISLANDS	2	less than ½	9 less	261	+2	36.1	+5.0	13	+4	21	+6	1710	-67	42	-1

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was very dry over the entire Kingdom; a good deal of mist and fog prevailed in most places, but a fair amount of sunshine was recorded in the north-eastern and also at many of the southern and south-western stations.

Temperature was a little below the mean in England S. and S.W., in Ireland S., and the Channel Islands, and just equalled it in the Midland Counties, but, in all other districts it was above the normal, the excess in Scotland N. being 4°. The highest of the maxima were recorded, as a rule, on November 29th, and varied from 59° in Scotland W. and 54° in Scotland E. and Ireland S., to 49° in England S. The lowest of the minima occurred on November 25th in Scotland and on December 1st in England and Ireland. They ranged from 22° in England S.W. and 23° in Scotland E. to 31° in Scotland N. and to 35° in the Channel Islands.

Rainfall was, with the exception of some of our extreme northern and north-western stations, almost entirely absent.

Bright Sunshine varied a great deal in different parts of the Kingdom, but was, as a whole, above the mean for the time of year. The percentage of possible duration ranged from 37 in England N.E. and 35 in Ireland S. to 15 in England E., 12 in Scotland W., 9 in England N.W., and 8 in Scotland N. In London (owing chiefly to fog and mist) the amount was very small, the percentage of the possible duration being only 6, while in Manchester and its vicinity none whatever was registered.

Barometer and Wind.—The distribution of pressure was anticyclonic, and the only depressions observed were either far to the northward or to the southward of the British Islands. Westerly and South-Westerly winds prevailed in the more northern districts, and Easterly to North-Easterly breezes in the south.

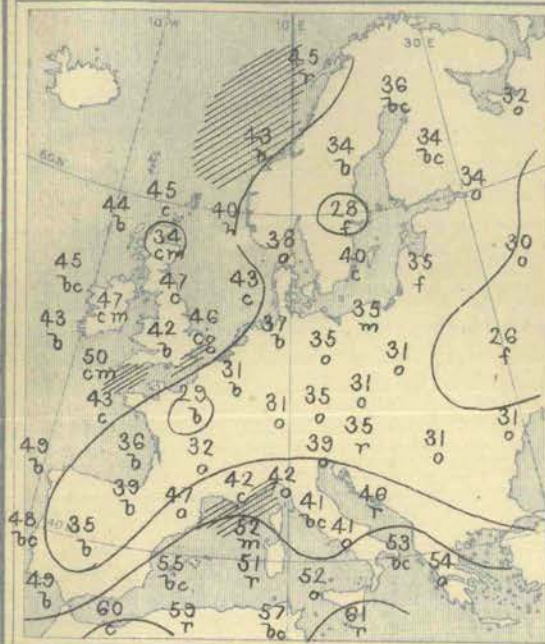
II.—DATA from which the SUMMARY on page 283 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
											Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	51	40	49.0	41.0	45.0	+ 5.0	25	3	4	0.29	- 0.69	*	*	*	*
	Stornoway	53	33	50.0	40.7	45.4	+ 5.3	23	4	3	0.20	- 0.98	5.0	- 1.4	10	- 5
	Wick	53	32	48.1	38.0	43.1	+ 4.0	25	11	1	0.05	- 0.62	*	*	*	*
	Glencarron	50	33	46.6	39.0	42.8	+ 4.5	18	8	3	0.83	- 1.38	*	*	*	*
	Fort Augustus	52	31	46.6	37.3	42.0	+ 3.0	13	20	3	0.07	- 0.98	4.9	?	10	?
	Fort William	52	34	48.3	41.0	44.7	+ 4.7	23	3	2	0.29	- 1.59	2.2	?	4	?
1. SCOTLAND, E.	Nairn	54	23	48.0	34.6	41.3	+ 2.5	17	30	1	0.02	- 0.49	*	*	*	*
	Aberdeen	49	31	45.7	24.6	40.2	+ 0.9	10	29	1	0.01	- 0.69	14.8	+ 5.0	30	+ 9
	Braemar	49	23	44.4	32.2	38.3	+ 2.5	7	36	0	—	- 0.87	13.3	?	27	?
	Ochertyre	53	30	48.9	34.7	41.8	+ 3.7	19	30	0	—	- 1.00	*	*	*	*
	Leith	54	28	48.9	36.1	42.5	+ 1.7	28	17	0	—	- 0.47	*	*	*	*
	Marchmont	50	31	44.6	34.6	39.6	+ 1.5	7	24	0	—	- 0.78	17.5	?	34	?
2. ENGLAND, N.E.	Alnwick Castle	52	33	46.7	38.9	42.8	+ 3.1	19	9	0	—	- 0.75	*	*	*	*
	Durham	53	29	47.3	36.0	41.7	+ 3.0	15	25	0	—	- 0.72	20.8	+ 10.0	39	+ 18
	Shields	52	35	47.7	38.7	43.2	+ 2.9	22	9	0	—	- 0.65	*	*	*	*
	Scarborough	52	34	47.0	37.3	42.2	+ 1.2	21	13	0	—	- 0.67	*	*	*	*
	York	53	30	46.4	36.0	41.2	+ 1.4	12	24	0	—	- 0.59	*	*	*	*
	Spurn Head	49	38	46.6	41.0	43.8	+ 2.6	17	3	0	—	- 0.52	*	*	*	*
3. ENGLAND, E.	Hillington	48	28	44.9	35.0	40.9	+ 0.7	8	27	0	0.06	- 0.56	5.3	- 4.4	10	- 8
	Yarmouth	48	36	45.9	39.6	42.8	+ 1.9	16	7	0	—	- 0.63	*	*	*	*
	Geldeston	50	34	46.3	36.9	41.6	+ 1.3	12	21	0	0.01	- 0.61	7.1	- 5.1	13	- 9
	Cambridge	48	28	45.6	32.9	39.3	- 0.5	10	35	0	—	- 0.45	9.6	- 2.2	17	- 3
	Rothamsted	47	30	44.1	34.4	39.3	- 0.5	6	28	0	0.01	- 0.59	11.3	?	20	?
4. MIDLAND COUNTIES.	Bawtry (Hesley Hall)	51	25	45.4	32.6	39.0	- 0.8	10	35	0	—	- 0.50	*	*	*	*
	Loughborough	51	25	45.3	34.1	39.7	- 0.3	9	30	2	0.03	- 0.46	*	*	*	*
	Stamford (Ketton Hall)	51	28	46.0	35.1	40.1	+ 0.3	8	27	0	0.01	- 0.53	*	*	*	*
	Cheadle	48	34	44.7	36.5	40.6	+ 1.6	8	21	1	0.02	- 0.67	*	*	*	*
	Churchstoke	50	26	45.1	34.6	39.9	+ 0.4	9	24	0	—	- 0.79	10.6	+ 1.6	19	+ 2
	Hereford	51	26	45.1	35.7	40.4	- 0.5	9	24	0	0.01	- 0.53	*	*	*	*
	Cirencester	50	27	45.4	35.3	40.4	+ 1.1	10	26	0	—	- 0.63	13.0	+ 3.0	13	+ 5
	Oxford	48	28	44.0	34.6	39.3	- 1.1	6	27	0	0.01	- 0.51	9.1	- 0.1	16	- 2
5. ENGLAND, S.	London	49	32	44.1	37.7	40.9	- 0.4	6	17	0	—	- 0.51	3.2	- 2.8	6	- 4
	North Foreland	48	38	45.9	39.7	42.8	+ 0.6	15	6	0	—	?	*	*	*	*
	Strathfield Turgiss	48	26	44.3	33.4	38.9	- 1.1	6	32	0	—	- 0.58	*	*	*	*
	Dungeness	48	38	45.3	40.0	42.7	+ 0.1	13	6	0	—	- 0.72	*	*	*	*
	Hastings (St. Leonards)	46	38	45.4	39.2	42.3	- 0.4	14	8	0	—	- 0.71	14.7	+ 2.2	26	+ 3
	Southampton	49	33	45.7	35.4	40.6	- 1.7	10	26	0	—	- 0.71	17.7	+ 7.9	31	+ 13
	Hurst Castle	49	35	46.0	38.6	42.3	- 1.1	16	10	0	—	- 0.67	*	*	*	*
	Stowell	47	31	44.0	35.3	39.7	- 1.3	6	25	1	0.01	?	*	*	*	*
6. SCOTLAND, W.	Landale (Loch Sunart)	59	36	54.3	42.1	48.2	+ 7.3	43	0	2	0.24	- 1.96	*	*	*	*
	Glasgow	50	29	46.2	38.1	42.2	+ 2.5	18	11	1	0.02	- 0.86	3.3	- 0.9	6	- 3
	Ardrossan	51	30	48.7	38.3	43.5	+ 1.9	26	10	2	0.02	- 0.85	*	*	*	*
	Glenlee	52	27	47.1	33.5	40.3	+ 1.6	14	33	2	0.02	- 1.48	*	*	*	*
	Douglas (Isle of Man)	52	37	49.1	41.0	45.1	+ 2.5	26	3	2	0.03	- 1.04	9.4	- 2.4	17	- 4
7. ENGLAND, N.W.	Stonyhurst	49	32	45.0	36.9	41.0	+ 1.0	8	20	2	0.08	- 1.00	8.0	0.9	15	0
	Blackpool	51	27	47.9	35.7	41.8	+ 1.0	17	26	2	0.03	- 0.74	7.1	- 0.7	13	- 2
	Manchester (Prestwich)	50	27	46.1	36.0	41.1	+ 1.3	11	24	2	0.03	- 0.75	0.0	?	0	?
	Liverpool Obsy. (Bidston)	50	35	46.9	39.6	43.3	+ 1.6	19	7	3	0.06	- 0.53	*	*	*	*
	Llandudno	50	34	47.2	40.5	43.9	+ 0.5	20	4	1	0.13	- 0.68	8.3	+ 0.7	16	+ 2
	Holyhead	51	37	48.1	41.9	45.0	+ 0.2	21	0	1	0.03	- 0.84	*	*	*	*
8. ENGLAND, S.W.	Llandoverly	50	22	45.4	32.7	39.1	- 2.5	10	35	0	—	- 1.16	*	*	*	*
	Pembroke	52	35	46.6	39.4	43.0	- 2.4	18	7	0	—	- 0.96	17.1	+ 5.8	31	+ 11
	Bristol (Montpelier)	49	29	44.3	36.4	40.4	- 1.3	6	22	0	—	- 0.81	*	*	*	*
	Arlington (N. Devon)	49	39	45.7	34.4	40.1	- 1.9	10	30	0	—	- 1.42	*	*	*	*
	Cullompton	49	28	45.6	35.9	40.8	- 1.2	10	24	0	0.01	- 0.86	16.3	+ 8.0	29	+ 14
	Falmouth	52	37	47.7	40.3	44.0	- 2.0	21	5	0	—	- 1.25	17.4	+ 4.4	33	+ 7
	Plymouth	51	37	47.2	39.1	43.2	- 1.3	21	8	0	—	- 0.78	16.8	+ 5.8	29	+ 9
	Prawle Point	51	36	47.0	38.7	42.9	- 1.5	20	9	0	—	- 0.83	*	*	*	*
9. IRELAND, N.	Malin Head	50	39	48.6	43.1	45.9	+ 4.3	27	0	2	0.07	?	*	*	*	*
	Londonderry	51	33	47.1	38.7	42.9	+ 1.9	10	9	2	0.06	- 0.92	*	*	*	*
	Edenfel (Omagh)	50	28	45.6	34.6	40.1	+ 0.1	10	28	0	—	- 0.84	*	*	*	*
	Belmullet	53	34	50.4	39.6	45.0	- 0.2	31	7	4	0.05	?	*	*	*	*
	Markree Castle	52	25	46.4	31.7	39.1	- 1.8	12	39	3	0.04	- 0.74	11.0	+ 1.4	20	+ 1
	Brookeborough	52	26	47.1	32.7	39.9	+ 0.2	14	36	2	0.07	- 0.95	*	*	*	*
	Armagh	51	31	46.2	35.6	40.9	+ 0.9	12	25	1	0.02	- 0.68	8.5	- 2.9	16	- 5
	Donaghadee	51	33	47.7	40.7	44.2	+ 2.2	21	4	1	0.01	- 0.71	*	*	*	*
	Edgeworthstown															
10. IRELAND, S.	Dublin	52	34	48.4	39.0	43.7	+ 0.7	25	8	0	—	- 0.64	16.5	+ 2.8	30	+ 5
	Parsonstown	51	25	46.0	31.3	38.7	- 2.6	11	41	1	0.03	- 0.67	18.0	+ 6.3	33	+ 11
	Kilkenny	51	27	46.6	32.7	39.7	- 3.1	13	36	0	—	- 0.66	*	*	*	*
	Roche's Point	52	33	48.4	38.7	43.6	- 1.4	25	9	0	—	- 1.15	*	*	*	*
	Valencia	54	32	51.3	38.3	44.8	- 1.5	35	10	1	0.04	- 1.20	22.9	+ 12.4	41	+ 21
	Killarney	51	26	48.1	31.6	39.9	- 4.1	17	41	1	0.01	?	*	*	*	*
	Foynes	50	30	46.0	33.6	39.8	- 3.2	11	32	0	—	?	*	*	*	*
CHANNEL ISLANDS.	Scilly (St. Mary's)	53	41	50.3	44.0	47.2	- 0.8	36	9	1	0.01	- 0.93	10.0	?	17	?
	Jersey	52	35	48.6	41.6	45.1	- 0.9	23	1	2	0.03	- 0.93	15.8	+ 3.9	27	+ 6

Sunday, 25th November.

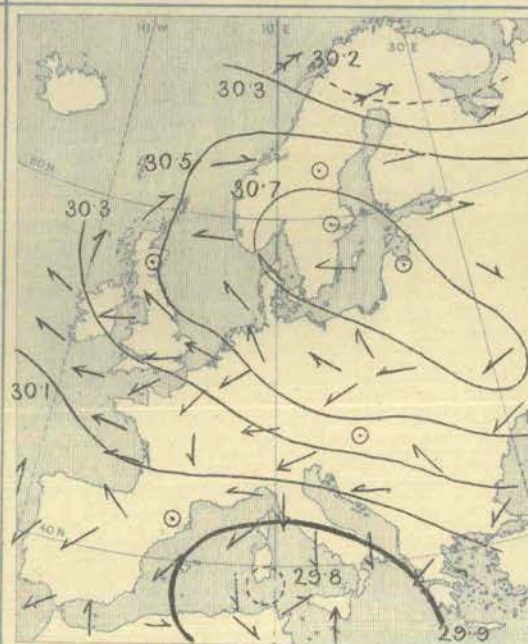
Temperature and Weather.

8 a.m.

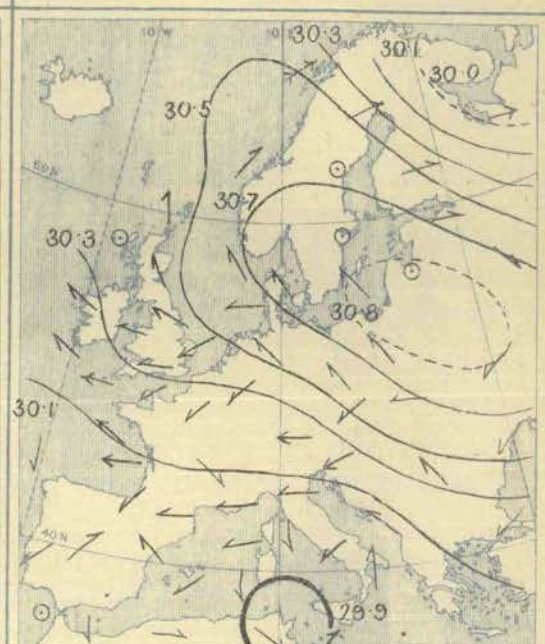


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning rainy in the west of Lapland, but fine over northern and western Europe as a whole; dull in the east and south, with rain at Lésina, Cagliari, Malta, and Athens. Continuing dry over the United Kingdom later, but becoming dull over the northern districts generally.

Temperature in morning highest, 61° at Malta, 60° at Oporto, and exceeding 50° at most of the extreme southern stations, as well as at Oporto; 50° at Scilly and Donaghadee. Lowest, (1) 24° at St. Petersburg, 27° at Carlstadt, 28° at Stockholm; (2) 26° at Kiev, 27° at Kharkov, and 31° at several stations in Poland and Austria; (3) 29° at Paris, 31° at Brussels, 32° at Lyons. Rising to between 50° and 54° at our western stations later, but not nearly so high over France, and failing to touch 40° over Germany.

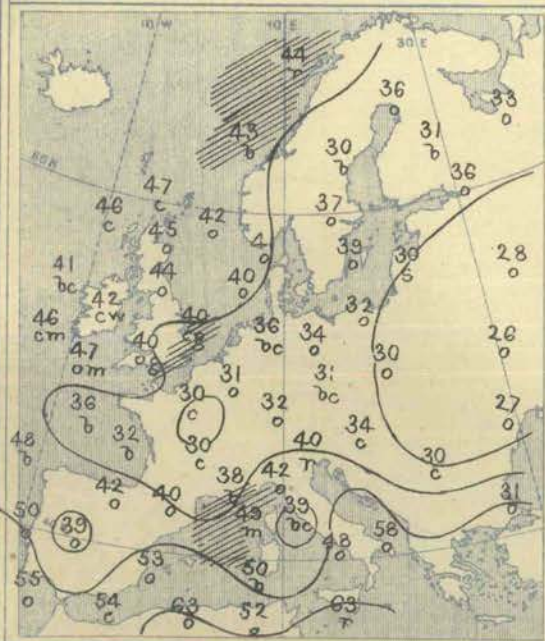
Wind Northerly to Easterly over the Mediterranean; Easterly over central and western Europe, South-Easterly to Southerly over Ireland, Scotland and Denmark; South-Westerly, a gale, over northern Europe. No decided change reported later.

Barometer highest, 30.7 ins. and more over western Russia, eastern Prussia, the Baltic, and south of Sweden, and exceeding 30.9 ins. over all but the extreme southern parts of the Continent. Lowest, 29.9 ins. to 29.8 ins. over the greater part of the Mediterranean, and below 30.2 ins. over Lapland. No decided change during day.

Monday, 26th November.

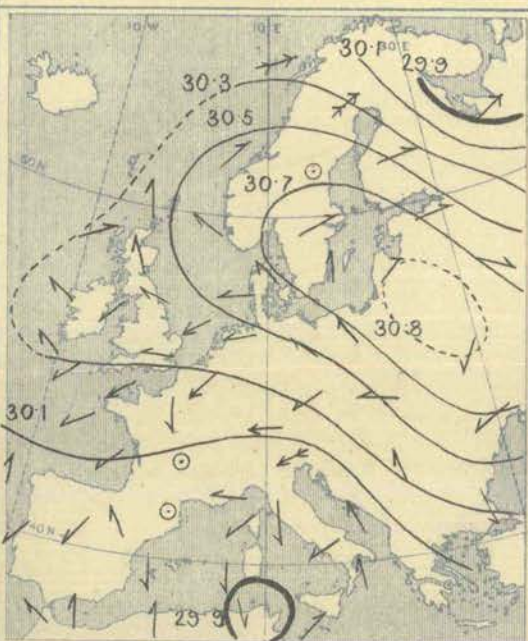
Temperature and Weather.

8 a.m.

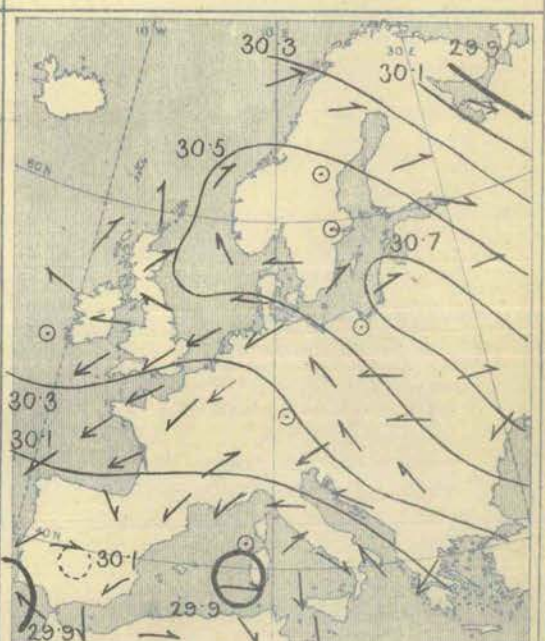


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright at most of the Mediterranean stations, as well as over the north of Spain, the western parts of France, and at several stations in Scotland, Scandinavia, and Finland; overcast or cloudy elsewhere, foggy at Liverpool. Rain falling later over the west of Lapland (0.35 in. at Bodö) and slight falls at Nairn, Jersey, and Biarritz.

Temperature falling in many places, especially at Nairn. Morning readings highest, 63° at Malta and Aumale, and exceeding 50° in the extreme south only; 48° at Corunna, 47° at Scilly and Sumburgh Head, 46° at Stornoway. Lowest, 26° to 29° over the central and southern parts of Russia, 30° at Riga and Paris, 31° at Kuopio and Breslau, 34° at Berlin, 37° at Oxford. Rising later to 51° at Valencia and 52° at Biarritz. Hardly any change over England.

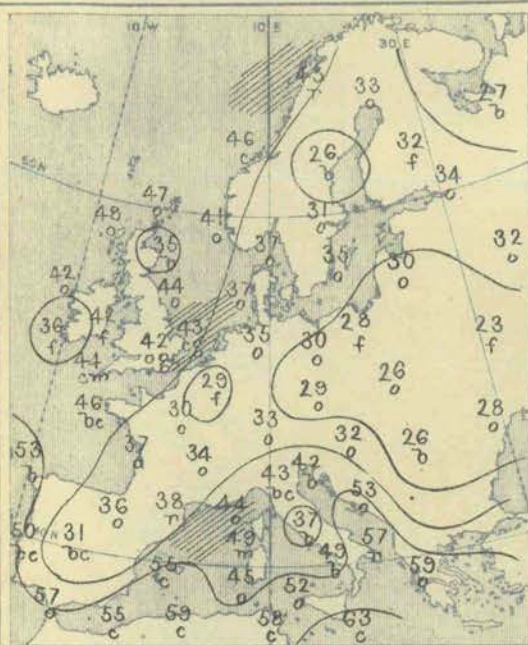
Wind Easterly to North-Easterly over by far the greater part of Europe and the southern half of the British Islands, and blowing very freshly in the east and south of England; South-Easterly to Southerly in Denmark and the northern parts of our Islands, South-Westerly over northern Europe, and blowing a gale in several places. Hardly any change later.

Barometer highest, 30.8 ins. to 30.3 ins. in a large anticyclone covering the greater part of Europe, and having its central area over western Russia. Lowest, (1) 30.0 ins. to 29.9 ins. over the Mediterranean, and (2) 29.9 ins. and less over the White Sea. Rising somewhat over Ireland later, falling over northern Europe.

Tuesday, 27th November.

Temperature and Weather.

8 a.m.

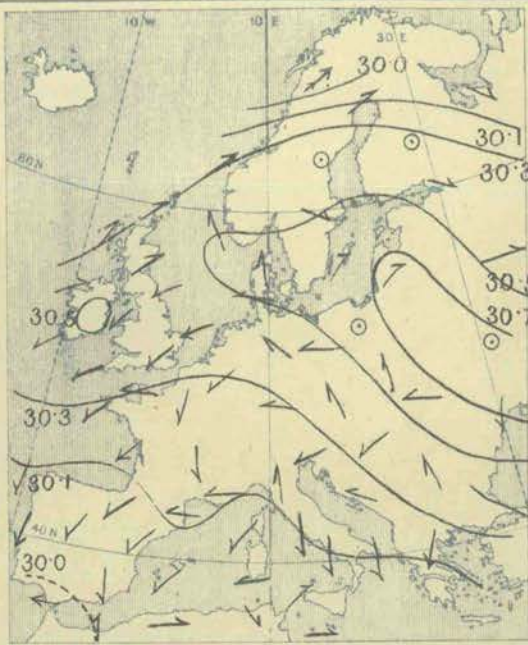


Weather in morning fine and bright in the east of Scotland, the north of Italy, and at Archangel, dull and gloomy almost everywhere else, with rain at Bodø, as well as in the south of France and at Brindisi. Fog in Ireland and in some parts of Russia, snow at Limoges. Some rain later in the extreme north-western, northern, and southern districts, and gloomy, hazy weather continuing over England.

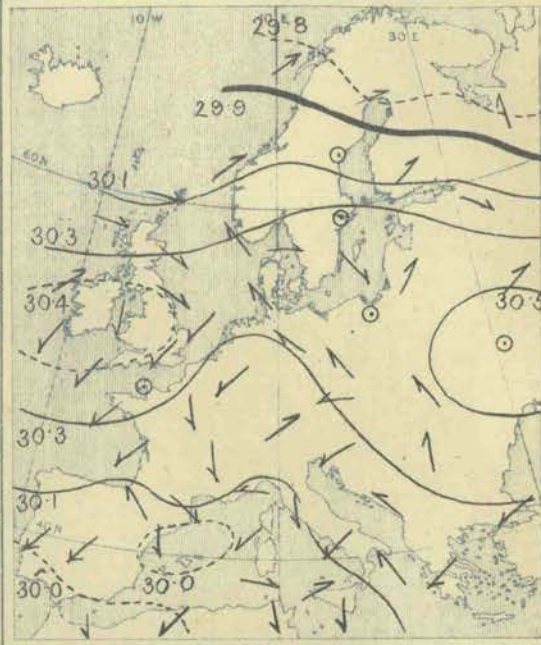
Temperature not changing much. Morning readings highest, 63° at Malta, and 50° to 59° over the southern parts of the Mediterranean generally, and on the coasts of Portugal and Spain; 48° at Stornoway, 47° at Sunburgh Head, 46° at Christiansund. Lowest, 23° to 30° in the west and south of Russia, north Germany, Poland, and Hungary, 26° at Hernösand, 27° at Archangel and also at Parsonstown; 30° at Paris, 33° at Florence, and 37° at Rome. Rising to between 50° and 53° at a few of our extreme northern stations later, but not exceeding 43° in London and 33° at Paris.

Barometer and Wind.

8 a.m.



6 p.m.



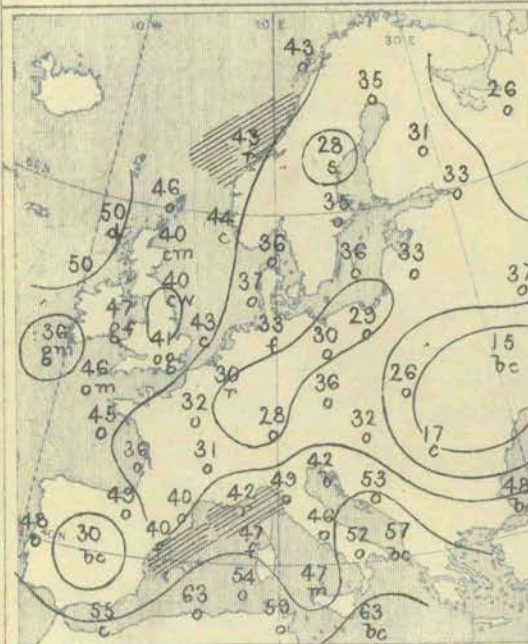
Wind (1) light and anticyclonic over eastern Europe, North-Easterly and Easterly over the western countries as a whole, Northerly over Italy, a North-Easterly gale reported in Greece; (2) South-Westerly in Scotland and Norway, strong at Christiansund and a gale at Bodø. South-Westerly and Westerly winds becoming more general over the northern countries later.

Barometer highest, 30.6 ins. and more in the south and west of Russia, and exceeding 30.2 ins. over by far the greater part of Europe and the British Isles. Lowest, below 30.0 ins. over Lapland and the Kola Peninsula on the one hand, and the extreme south of Spain and Algeria on the other. Falling decidedly over northern Europe later, but rising over France and the British Isles.

Wednesday, 28th November.

Temperature and Weather.

8 a.m.

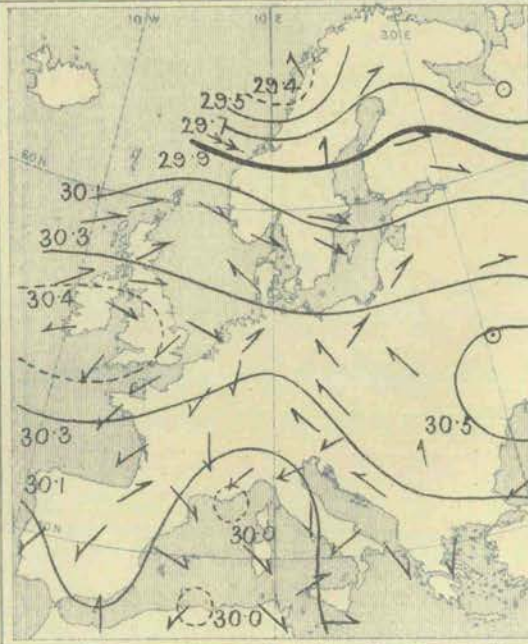


Weather in morning dull and gloomy over nearly the whole of Europe, dry in most places, but rain and snow falling in the south of France on the one hand, and rain in the north-west of the British Islands and the north-west of Norway on the other, snow at Hernösand. Small quantities of rain measured in the north-west and north later, and a considerable amount at Nice.

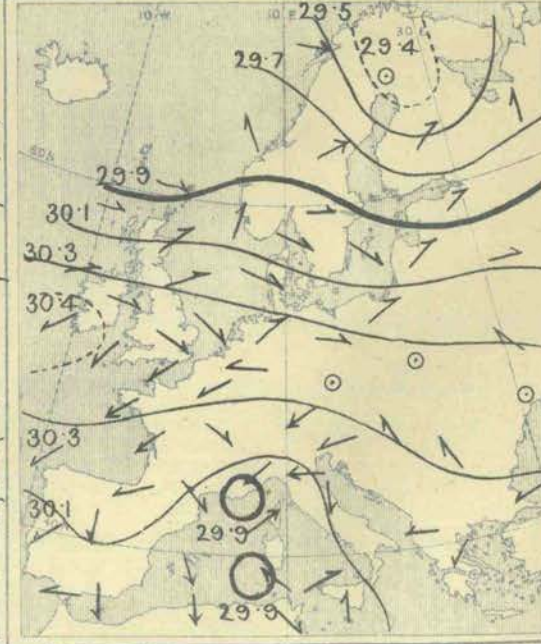
Temperature rising in the north-west, falling in the south-east. Morning readings highest, 63° at Malta and Algiers; exceeding 50° on the southern shores of the Mediterranean, and touching 50° at Belmullet and Stornoway, much lower elsewhere. Lowest, (1) 15° at Kiev, 17° at Hermanstadt, 24° to 28° over Poland, eastern Germany, and the Baltic Provinces, 26° at Archangel; (2) 25° at Munich, 30° to 33° over Belgium and central France; (3) 36° to 38° over central England. Rising later to between 54° and 50° on our most northern and north-western coasts, and to 48° in the west of Norway.

Barometer and Wind.

8 a.m.



6 p.m.



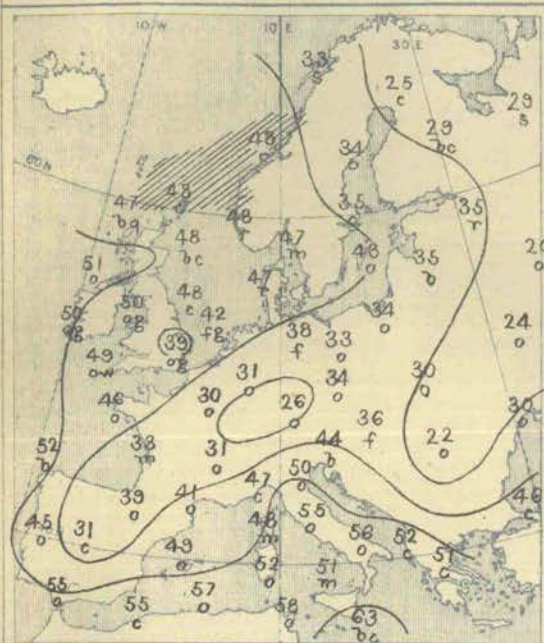
Wind Westerly (South-West to North-West) over the greater part of northern Europe, and strong to a gale in force, South-Easterly at Bodø; Easterly (South-East to North-East) over central, southern, and western Europe, and of little strength except over the south of France and north of Italy; calm or very light and variable over the south-west of the British Isles. The Westerly wind freshening over the northern half of the British Isles later, and blowing hard at Caithness at night.

Barometer highest, 30.5 ins. and more to 30.3 ins. over south-eastern and central Europe, and 30.4 ins. to 30.3 ins. over Ireland, England, the north of France, and the Netherlands. Lowest, 29.4 ins. and less in a depression having its centre over Finmark, and 30.0 ins. and less to 30.1 ins. in a complex low pressure system over the Mediterranean. Northern depression growing larger and deeper later.

Thursday, 29th November.

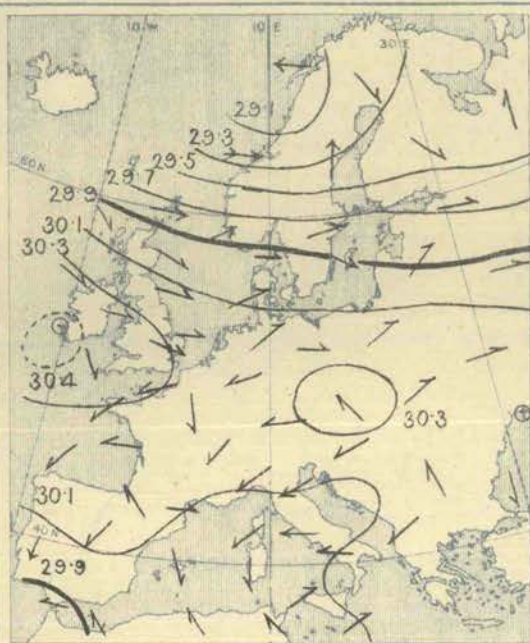
Temperature and Weather.

8 a.m.

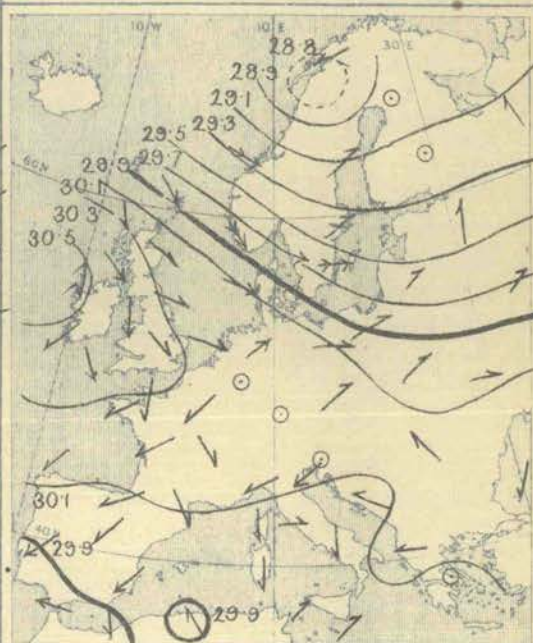


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the northern parts of the British Islands and Finland, cloudy or overcast over Europe generally, but clear on the Portuguese coast, rain falling in the south of Norway and at St. Petersburg, snow at Archangel. Considerable rain over Scandinavia later, and smaller quantities in the north and north-west of our Islands, as well as over Germany, but sky clearing over the United Kingdom, fog rather prevalent over England.

Temperature rising over the British Islands, Denmark, and Germany, and also over Italy. Morning readings highest, 63° at Malta, and above 50° on the southern shores of the Mediterranean generally, as well as at Corunna, and in the west of Ireland, and exceeding 40° over the United Kingdom. Lowest, (1) 13° at Kharkov, 20° at Moscow, 23° at Odessa, 24° at Kiev; (2) 25° at Haparanda, 29° at Archangel and Kuopio; (3) 30° at Paris, 31° at Brussels and Lyons. Rising to between 50° and 53° over the western half of the United Kingdom later, but beginning to fall again sharply towards night.

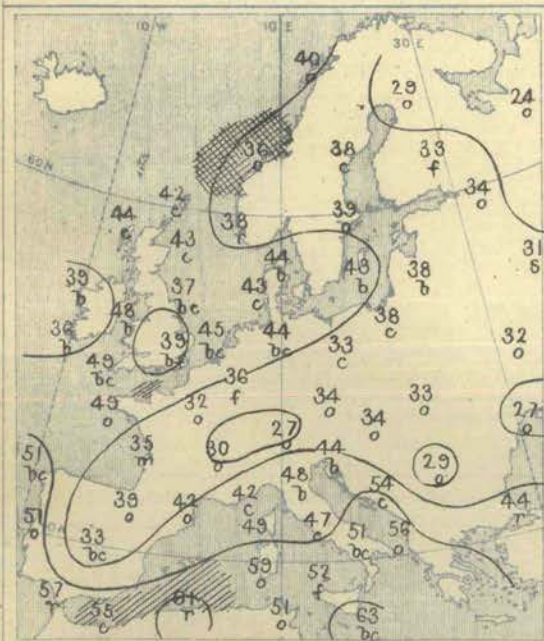
Wind fresh from the Eastward at Bodø, but fresh to a gale from between West-South-West and West-North-West over northern Europe generally, including the north of Scotland; light to fresh from between East and North over the southern countries and the English Channel; very light and variable over Ireland. Veering Northwards over Scotland later, and a Northerly breeze setting in over Ireland.

Barometer highest, 30.4 ins. and more in the south of Ireland, and varying between 30.3 ins. and 30.1 ins. in a broad band stretching from the Atlantic across Ireland, England, France, Germany, and the south of Russia to the Black Sea. Lowest, 29.1 ins. and less in a depression over the north of Scandinavia, and rather below 29.9 ins. at Gibraltar. Rising decidedly over the northern parts of the United Kingdom later, falling fast over the Baltic. The depression in the north moving south-eastwards.

Friday, 30th November.

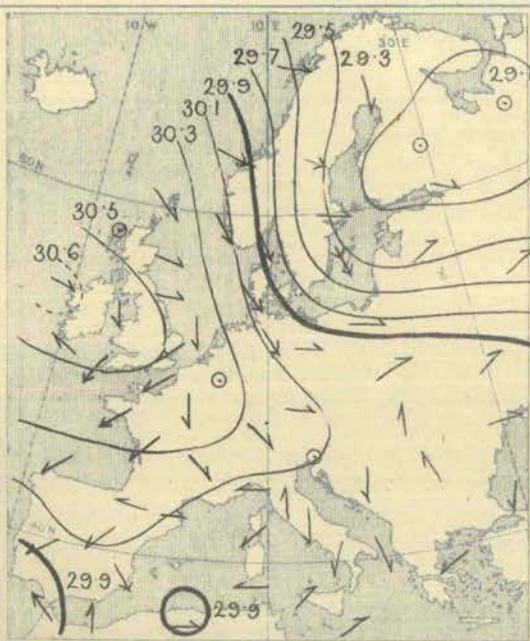
Temperature and Weather.

8 a.m.

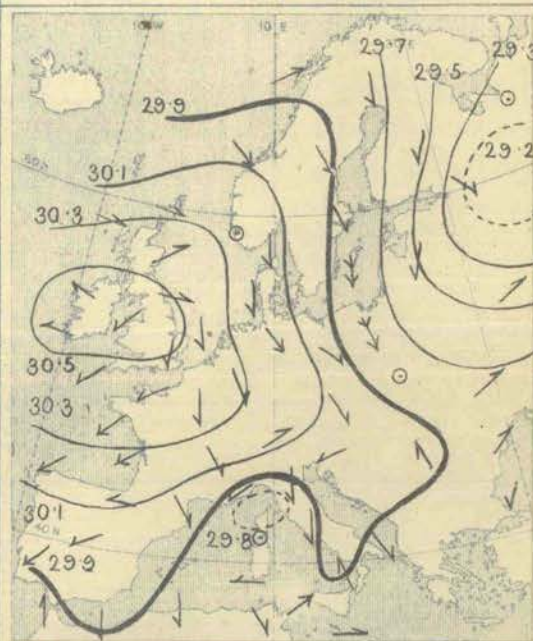


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the United Kingdom, and in most places clear and bright; cloudy or overcast in almost all other countries, with rain at Skudesnaes and also at San Fernando and Algiers, snow at Breslau and Moscow. Some rain later at the Norwegian stations and in north Germany; larger quantities in south Germany, Algeria, and the south of Spain; a good deal of fog and haze over the United Kingdom.

Temperature in morning highest, 63° at Malta, 61° at Algiers, 51° at Corunna, 49° at Scilly, 48° at Holyhead. Lowest, (1) 24° at Archangel, 29° at Uleaborg, 34° at St. Petersburg; (2) 26° at Kharkov, 27° at Odessa and Nicolaieff, 29° at Hermanstadt; (3) 27° at Loughborough, 28° at Parsonstown, 30° at Lyons, 32° at Paris. Rising to 50° and more on our south-west coasts later, to 50° and more over Sicily and Tunis; sharp frost occurring at the inland stations in our Islands at night.

Wind (1) light to moderate and anticyclonic over our Islands, westerly in Scotland, North-Westerly to Northerly over England, North-Easterly to Easterly over the Channel and the Bay of Biscay; (2) strong to a gale (and cyclonic) over Scandinavia and the Baltic, North-Westerly at the Norwegian and Swedish stations, westerly over north Germany, South-Westerly at Moscow; (3) Easterly to Northerly over southern Europe generally. Southerly airs appearing over the west of Ireland later.

Barometer highest, 30.6 ins. to 30.2 ins. in the eastern part of an anticyclone spreading over the British Islands and their neighbourhood from the Atlantic. Lowest, (1) 29.1 ins. and less in a large depression having its central area over Finland and the north of Russia; (2) 30.0 ins. to 29.9 ins. and less over the southern half of the Mediterranean, and in a depression lying off the south-west of Spain. Little change over our Islands later, but rising fast over Scandinavia and northern Europe, as the depression over Russia began to fill up.

Saturday, 1st December.

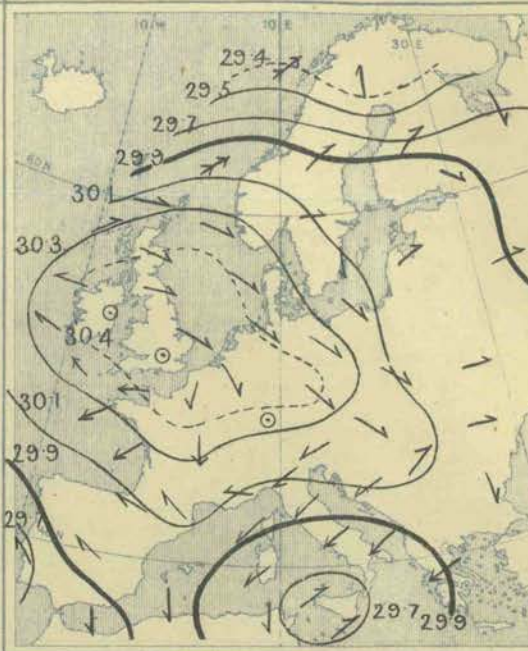
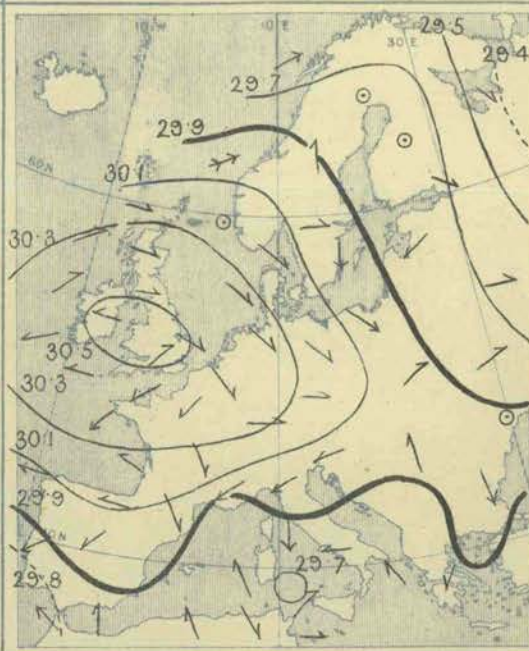
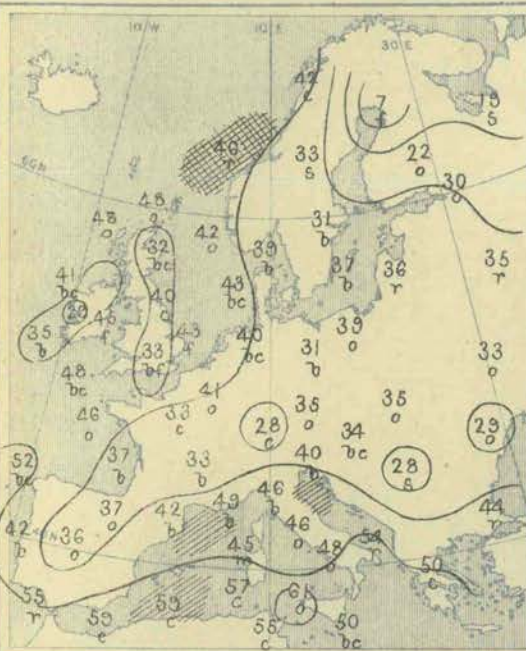
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine over Algeria, as well as on the coasts of Portugal, the south of England, Ireland, Scotland, and at several stations in Denmark and north Germany; very foggy over the inland parts of England, overcast and somewhat unsettled over Russia; rain falling at Christiansund, snow at Hermanstadt. A good deal of rain over Algeria and Tunis later, and a very heavy fall at Brindisi.

Temperature fallen decidedly over the United Kingdom, and low over our inland counties as a whole. Highest, 61° (locally) at Palermo, and exceeding 50° on the southern sides of the Mediterranean and at Corunna only; 48° at Jersey, Scilly, Stornoway, and Sumburgh Head, 46° at Christiansund. Lowest, 7° Fahr. at Uleaborg, 16° at Haparanda, 18° at Archangel; (2) 28° at Hermanstadt, 29° at Nicolaieff, 31° at Kharkov; (3) 28° at Loughborough, 29° at Oxford and Parsonstown. Rising to more than 50° on our south-western coasts later, not touching 40° in London nor at Paris.

Wind Westerly over Scotland and Norway, and blowing a gale at Christiansund, North-Westerly over the Baltic and Germany, Westerly, light, over central Russia; Northerly to Easterly over the south of England, the Channel, and Bay of Biscay, South-Easterly to Southerly in Ireland. The Easterly wind freshening over the Bay of Biscay later, and the Westerly gale spreading over the northern parts of Norway.

Barometer highest, 30.5 ins. and more over the greater part of England, Wales, and the west of Ireland, and exceeding 30.2 ins. over the whole of the British Islands, the North Sea, the greater part of France and western Germany. Lowest, below 29.7 ins. over Finmark and Lapland, and below 29.8 ins. over Sicily, Sardinia, and the south of Italy. Depression in this latter region and that over northern Europe both growing deeper later. Further disturbances approaching the Bay of Biscay from the Atlantic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 284.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	11.6	?	23	?	EASTBOURNE	15.1	?	26	?
OSWALDKIRK (Yorkshire)	19.1	?	35	?	MANCHESTER (Oldham Road)	0.0*	?	0*	?
WORKSOP	10.5	+ 2.3	19	+ 3	TENBY	15.7*	?	28*	?
THURCASTON (Leicestershire)	6.4	+ 0.2	12	0	NEWQUAY	?	?	?	?
MARGATE	12.2	?	21	?	TORQUAY	12.6*	?	22*	?
WESTBOURNE (Sussex)	16.7*	?	29*	?	ARLEY COTTAGE (County Cavan)	14.9	?	28	?
BRIGHTON	14.8	?	26	?	GUERNSEY	11.9*	?	20*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
Oct. 13th, 1894.	Newquay	—	—	—	—	—	—	—	—	Inches.	Inches.	29.0	?	38	?
„ 20th, „	Scarborough	53	38	50.0	41.6	45.7	+2.9	28	1	1.73	+1.03	—	—	—	—
Nov. 3rd, „	Edgeworthstown	61	34	55.2	43.3	49.1	+4.7	50	0	0.23	-0.31	—	—	—	—
„ 10th, „	Churchstoke	57	28	52.8	40.9	46.9	+3.9	39	3	0.68	-0.14	20.1	+6.1	32	+11
„ „ „	Edgeworthstown	55	37	52.4	40.6	46.5	+3.1	37	4	0.55	-0.24	—	—	—	—
„ „ „	Tenby	—	—	—	—	—	—	—	—	—	—	21.4	—	34	—
„ 17th, „	Ochertyre	53	35	47.9	36.7	42.3	+1.9	24	15	1.93	+0.91	—	—	—	—
„ „ „	Churchstoke	53	37	49.1	38.6	43.9	+1.9	28	10	1.97	+1.15	18.6	+6.6	31	+11
„ „ „	Douglas	54	41	49.0	43.2	46.5	+2.2	32	0	0.63	-0.47	20.4	+5.9	35	+11

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XI. No. 49.]
Third Series.

WEEK ENDING SATURDAY, DECEMBER 8TH, 1894.

[Price 6d.
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 290.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	49	20	43.5	33.3	38.7	0 (average)	Day-deg. 4	Day-deg. - 5	Day-deg. 33	Day-deg. + 7	Day-deg. 2149	Day-deg. +342	Day-deg. 611	Day-deg. - 69
	1. SCOTLAND, EAST	47	16	39.8	29.5	34.8	3 below	0	- 11	50	+17	2273	- 80	774	+ 35
	2. ENGLAND, N.E.	46	26	43.7	33.1	38.1	1 below	2	- 9	33	+ 8	2548	+ 45	532	- 85
	3. ENGLAND, EAST.	49	26	43.9	32.6	38.5	1 below	5	- 8	36	+12	2984	+ 72	565	-131
	4. MIDLAND COUNTIES.	48	23	42.5	31.8	37.4	2 below	1	-13	38	+ 9	2909	+ 56	584	-127
	5. ENGLAND, SOUTH	50	21	45.2	34.9	40.2	1 below	9	-12	28	+ 6	3324	+137	362	-153
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	21	44.2	34.8	39.7	0 (average)	6	- 8	28	+ 8	2522	+ 75	428	- 81
	7. ENGLAND, N.W.	50	26	43.5	33.8	38.9	2 below	4	- 9	32	+14	2867	+214	355	-144
	8. ENGLAND, S.W.	54	25	46.9	36.7	42.0	1 below	14	-10	15	+ 2	3109	+116	276	- 85
	9. IRELAND, NORTH	51	22	44.2	34.0	39.3	1 below	6	-11	31	+11	2659*	+ 45	429*	- 29
	10. IRELAND, SOUTH	53	27	47.6	37.2	42.6	0 (average)	24	0	13	- 3	3041	+ 61	282	- 74
	-CHANNEL ISLANDS	54	28	49.6	40.8	45.3	1 below	28	-11	3	0	3786	+306	97	- 21

DISTRICTS. (See p. 290.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	4	8 less	213	-16	47.1	+ 0.2	10	+ 4	21	+ 8	1121	+119	31	+ 3
	1. SCOTLAND, EAST	5	3	4 less	188	- 1	32.1	+ 1.9	5	0	10	0	1283	+ 76	34	+ 2
	2. ENGLAND, N.E.	3	1	5 less	194	+19	24.3	- 1.1	2	- 5	5	-10	1272*	+ 81	30	+ 1
	3. ENGLAND, EAST.	3	2	3 less	190	+17	25.2	+ 0.4	9	- 1	17	- 2	1431	- 46	34	- 1
	4. MIDLAND COUNTIES.	2	2	4 less	181	+11	25.4	- 2.0	6	- 2	11	- 4	1297	- 6	31	0
	5. ENGLAND, SOUTH	3	4	3 less	183	+18	39.4	+ 4.0	11	+ 2	19	+ 2	1542	- 22	24	- 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	5	8 less	199	+ 1	45.5	- 2.1	6	- 1	12	- 2	1334	+ 43	31	+ 1
	7. ENGLAND, N.W.	2	3	5 less	194	+10	33.1	- 0.3	6	+ 3	12	+ 6	1213	+ 57	31	+ 1
	8. ENGLAND, S.W.	3	4	6 less	196	+ 4	41.6	+ 3.2	11	+ 2	21	+ 3	1578*	- 8	36	- 1
	9. IRELAND, NORTH	3	4	4 less	216	+ 1	35.1*	+ 0.9	7	- 4	13	- 8	1245	+ 62	30	+ 2
	10. IRELAND, SOUTH	2	4	5 less	196	- 1	40.4	+ 3.8	14	+ 3	26	+ 5	1342	- 66	32	- 1
	-CHANNEL ISLANDS	3	3	7 less	204	- 1	36.4	+ 4.4	23	+11	39	+18	1733	- 56	42	- 1

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued fair and dry over the Kingdom generally, but, towards the end of the period, the conditions became less settled, and some rain was experienced in nearly all places. A good deal of mist or fog prevailed at times, especially at the inland stations.

Temperature was just equal to the mean in Scotland N. and W. and Ireland S., but in all other districts it was a little below the normal. The highest of the maxima were recorded either near the beginning or the end of the period; they ranged from 55° in England S.W. and 54° in the Channel Islands to 46° in England N.E. The lowest of the minima were registered, as a rule, either on the 4th or 5th, and ranged from 16° to 21° in Scotland, from 22° to 27° in Ireland, and from 21° to 26° over England. In the Channel Islands the lowest reading was 28°.

Rainfall was much less than the mean in all districts.

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* This value has been altered owing to the receipt of further information for a preceding week.

Bright Sunshine varied considerably in amount, but was generally above the mean in the west and south, and below it in the east. The percentage of the possible duration ranged from 5 in England N.E., 10 in Scotland E., and 11 in the Midland Counties, to 26 in Ireland S., and to 39 in the Channel Islands.

Barometer and Wind.—During the earlier half of the period the distribution of pressure continued anticyclonic, with Easterly airs in the south and South-Westerly winds in the north. Later on, however, some shallow depressions approached our southern counties from the Southward, while some larger and more important disturbances appeared off our north-western and western coasts from the Atlantic. The wind consequently became more variable in the south, while in the north-west the South-Westerly wind increased somewhat in force. At the end of the week it had shifted to the North-Westward, but showed some tendency to back again in the west of Ireland.

II.—DATA from which the SUMMARY on page 289 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head . . .	49	37	46.6	41.1	44.0	+ 4.4	18	3	4	0.33	-0.64	*	*	*
	Stornoway . . .	48	29	46.1	35.7	41.1	+ 1.5	11	26	3	0.57	-0.63	10.0	+ 4.0	22
	Wick . . .	47	31	44.6	35.6	40.3	+ 1.9	7	26	2	0.13	-0.55	*	*	*
	Glencarron . . .	46	25	41.2	29.3	35.5	- 2.5	0	46	2	0.63	-1.51	*	*	*
	Fort Augustus . . .	46	20	40.6	27.6	34.1	- 4.2	0	53	2	0.13	-0.92	10.3	?	22
1. SCOTLAND, E.	Fort William . . .	46	24	41.6	30.2	36.1	- 3.5	0	41	3	0.30	-0.59	8.4	?	18
	Nairn . . .	45	20	40.3	25.3	33.1	- 5.0	0	62	1	0.03	-0.45	*	*	*
	Aberdeen . . .	46	27	42.6	32.4	37.7	- 0.7	2	35	5	0.38	-0.32	8.6	- 0.2	13
	Braemar . . .	39	16	36.0	23.8	30.1	- 5.1	0	83	1	0.16	-0.59	3.7†	?	8†
	Ochertyre . . .	46	25	39.1	30.3	34.9	- 2.5	0	50	3	0.72	-0.24	*	*	*
2. ENGLAND, N.E.	Leith . . .	47	28	42.6	34.9	38.9	- 1.2	2	26	4	0.11	-0.29	*	*	*
	Marchmont . . .	40	22	38.1	30.1	34.3	- 2.9	0	54	2	0.29	-0.46	5.0	?	10
	Alnwick Castle . . .	42	28	41.1	32.1	36.8	- 2.1	0	36	4	0.23	-0.46	*	*	*
	Durham . . .	44	26	41.3	31.8	36.7	- 1.3	0	37	4	0.09	-0.63	2.8	- 7.2	6
	Shields . . .	46	18	43.6	33.0	38.5	- 1.3	4	34	2	0.13	-0.49	*	*	*
3. ENGLAND, E.	Scarborough . . .	45	26	42.4	31.9	37.4	- 1.6	1	37	2	0.05	-0.45	3.0	- 2.3	6
	Spurn Head . . .	46	30	45.0	36.6	41.0	+ 0.9	8	22	2	0.11	-0.39	*	*	*
	Hillington . . .	47	31	42.9	33.5	38.4	+ 0.1	3	32	2	0.27	-0.33	7.2	- 1.6	14
	Yarmouth . . .	47	26	45.3	33.4	39.6	- 0.2	0	34	3	0.30	-0.28	*	*	*
	Geldeston . . .	49	27	45.5	33.7	39.8	+ 0.1	10	33	4	0.33	-0.26	11.6	+ 0.3	21
4. MIDLAND COUNTIES	Cambridge . . .	47	28	43.4	30.3	37.1	- 1.7	4	44	1	0.10	-0.35	8.3	- 2.0	15
	Rothamsted . . .	47	28	42.6	32.0	37.5	- 1.4	2	37	3	0.17	-0.40	9.8	?	18
	Bawtry (Hesley Hall) . . .	46	28	42.9	31.1	37.2	- 1.6	3	40	2	0.09	-0.41	*	*	*
	Loughborough . . .	47	27	43.4	32.4	38.1	- 0.8	4	36	1	0.07	-0.42	*	*	*
	Stamford (Ketton Hall) . . .	48	29	42.9	31.7	37.5	- 1.4	3	38	3	0.13	-0.45	*	*	*
5. ENGLAND, S.	Cheadle . . .	45	29	40.9	32.3	36.8	- 1.4	0	36	1	0.21	-0.48	*	*	*
	Churchstoke . . .	48	29	42.2	32.2	37.4	- 1.7	1	36	3	0.23	-0.53	1.6	- 6.6	3
	Hereford . . .	47	28	42.1	32.7	37.6	- 2.5	0	34	2	0.27	-0.30	*	*	*
	Cirencester . . .	47	23	42.3	30.3	36.5	- 2.0	1	43	2	0.08	-0.59	10.3	+ 1.1	19
	Oxford . . .	47	28	43.0	32.0	37.7	- 1.7	3	37	1	0.44	-0.08	8.0	- 0.4	15
6. SCOTLAND, W.	London . . .	49	30	44.9	32.7	39.0	- 1.4	8	36	2	0.18	-0.30	2.7†	- 2.3†	5†
	North Foreland . . .	48	35	46.6	39.3	43.1	+ 2.0	19	8	3	0.48	?	*	*	*
	Strathfield Turgiss . . .	46	25	42.1	31.1	36.8	- 2.4	0	40	3	0.11	-0.41	*	*	*
	Duness . . .	49	31	46.7	37.9	42.5	+ 0.9	21	11	3	0.68	0.00	*	*	*
	Hastings (St. Leonards) . . .	49	32	46.2	37.1	41.8	+ 0.3	12	21	2	0.74	+0.04	11.1	- 0.9	20
7. ENGLAND, N.W.	Southampton . . .	50	28	44.9	33.8	39.6	- 1.7	8	32	3	0.11	-0.59	12.6	+ 3.3	23
	Hurst Castle . . .	50	29	46.4	36.1	41.5	- 1.5	12	25	2	0.30	-0.35	*	*	*
	Stowell . . .	49	21	43.7	30.8	37.5	- 2.5	5	42	4	0.24	?	*	*	*
	Laudale (Loch Sunart) . . .	50	30	46.2	33.5	40.1	- 0.4	12	34	3	0.57	-1.61	*	*	*
	Glasgow . . .	46	31	42.1	35.6	39.0	0.0	0	24	4	0.36	-0.63	3.6	- 0.2	8
8. ENGLAND, S.W.	Ardrossan . . .	50	31	44.4	36.6	40.7	- 0.2	7	22	4	0.33	-0.47	*	*	*
	Glenlee . . .	47	21	42.1	30.3	36.4	- 1.7	0	42	3	0.49	-0.99	*	*	*
	Douglas (Isle of Man) . . .	50	33	46.1	37.9	42.2	+ 1.3	19	11	3	0.64	-0.43	8.5	- 2.3	16
	Stonyhurst . . .	45	29	41.0	32.7	37.0	- 2.2	0	35	1	0.27	-0.81	5.5	- 1.5	11
	Blackpool . . .	47	28	42.3	31.9	37.6	- 2.3	2	38	3	0.23	-0.48	6.5	+ 0.2	13
9. IRELAND, N.	Manchester (Prestwich) . . .	46	26	44.0	32.4	38.4	- 0.6	6	36	2	0.33	-0.46	1.3	?	3
	Liverpool Obsy. (Bidston) . . .	46	26	42.1	33.3	37.9	- 2.8	0	32	3	0.28	-0.32	*	*	*
	Llandudno . . .	50	31	45.1	34.4	40.0	- 2.6	9	31	2	0.13	-0.66	17.6	+10.7	33
	Holyhead . . .	50	33	46.0	35.0	42.2	- 1.7	18	11	2	0.67	-0.18	*	*	*
	Llandovery . . .	49	25	44.6	33.3	39.2	- 2.0	7	34	4	0.62	-0.55	*	*	*
10. IRELAND, S.	Pembroke . . .	51	34	47.3	40.0	43.8	- 1.0	21	6	2	0.27	-0.63	9.3	- 1.5	17
	Bristol (Montpelier) . . .	50	27	44.0	31.5	38.1	- 2.6	6	39	2	0.18	-0.60	*	*	*
	Arlington (N. Devon) . . .	48	32	45.4	38.1	40.9	- 0.4	10	24	3	0.83	-0.54	*	*	*
	Cullompton . . .	55	30	47.0	34.5	41.6	- 0.0	14	32	3	0.20	-0.64	12.8	+ 5.4	23
	Falmouth . . .	51	34	48.5	39.9	44.4	- 0.9	26	6	3	0.22	-0.38	14.0	+ 1.9	25
CHANNEL ISLANDS.	Plymouth . . .	52	34	49.7	38.5	44.3	+ 0.7	31	10	2	0.20	-0.64	18.6	+ 2.6	24
	Prawle Point . . .	54	34	48.7	39.7	44.4	+ 0.5	26	6	2	0.56	-0.31	*	*	*
	Malin Head . . .	48	35	44.6	38.1	41.5	+ 0.6	7	17	2	0.19	?	*	*	*
	Londonderry . . .	47	31	43.8	34.3	39.2	- 1.1	5	29	3	0.18	-0.76	*	*	*
	Edenfel (Omagh) . . .	46	28	41.4	32.4	37.1	- 2.1	0	34	2	0.43	-0.39	*	*	*
9. IRELAND, N.	Belmullet . . .	51	34	48.0	38.3	43.3	- 1.5	25	10	5	0.91	?	*	*	*
	Markree Castle . . .	51	23	44.7	31.5	38.4	- 1.7	8	41	3	0.73	-0.05	7.1	- 1.2	14
	Brookeborough . . .	48	26	43.4	31.1	37.5	- 1.2	4	41	3	0.37	-0.61	*	*	*
	Armagh . . .	47	26	42.6	32.8	37.9	- 1.3	2	34	2	0.09	-0.59	3.7	- 6.3	7
	Donaghadee . . .	49	29	46.7	37.3	42.2	+ 0.3	21	13	4	0.35	-0.33	*	*	*
10. IRELAND, S.	Edgeworthstown . . .	47	22	42.9	30.6	37.0	- 2.9	3	42	5	0.39	-0.43	*	*	*
	Dublin . . .	51	29	45.2	34.7	40.2	- 1.9	9	30	0	-0.62	15.7	+ 3.5	30	+ 7
	Parsonstown . . .	48	27	45.1	32.0	38.8	- 1.6	9	39	2	0.30	-0.40	16.1	+ 6.1	33
	Kilkenny . . .	49	27	45.6	33.4	39.7	- 2.1	10	34	1	0.25	-0.43	*	*	*
	Roche's Point . . .	51	39	50.3	42.9	46.8	+ 2.5	34	0	2	0.41	-0.73	*	*	*
CHANNEL ISLANDS.	Valencia . . .	53	33	51.0	40.3	45.9	0.0	34	5	6	0.98	-0.30	9.7	+ 0.5	18
	Killarney . . .	51	32	49.1	35.0	43.8	+ 0.4	29	11	2	0.42	?	*	*	*
	Foynes . . .	49	35	47.2	39.1	43.3	+ 1.4	21	8	3	0.46	?	*	*	*
	Scilly (St. Mary's) . . .	54	41	51.4	44.4	48.0	+ 0.8	42	0	3	0.34	-0.58	23.0	?	41
	Jersey . . .	51	28	47.7	37.1	42.6	- 2.4	25	14	3	0.19	-0.73	22.6	+10.9	40

Stations marked *SM* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 2nd December.

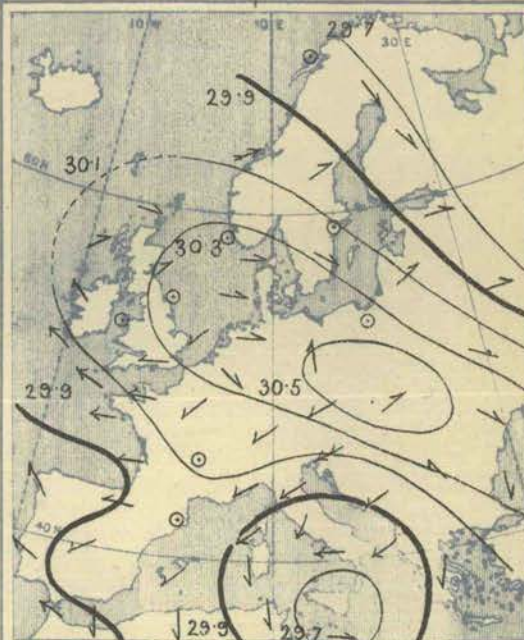
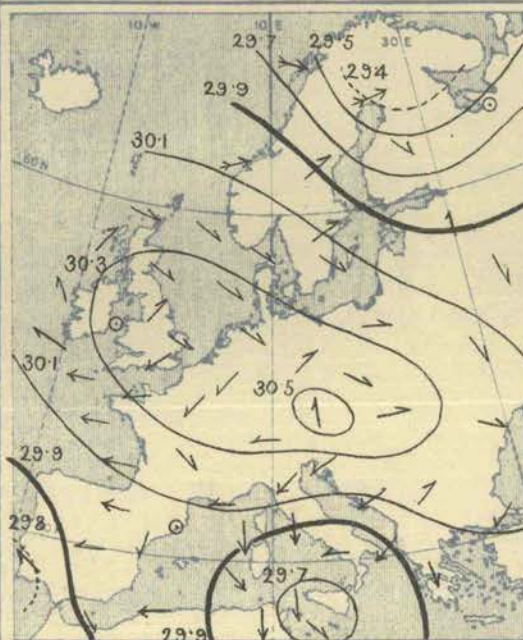
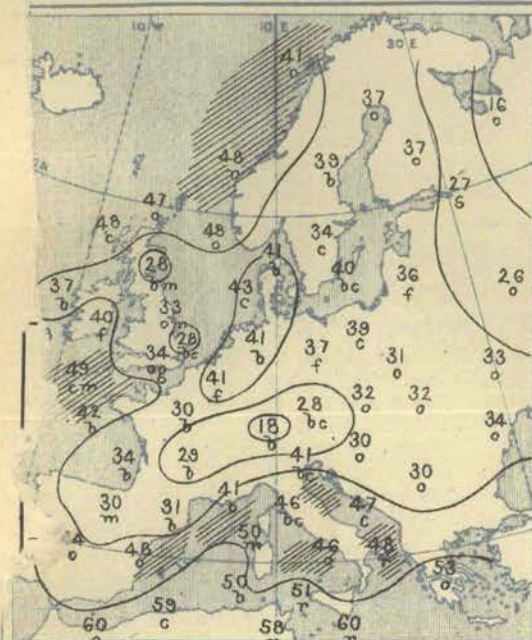
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine in Ireland and Scotland, but dull over the greater part of England, with fog at the northern, eastern, and central stations. Fine in France and also in Sweden, but cloudy or dull in the other Continental countries, with fog over north Germany and the Netherlands; rain in the south of Italy and snow at St. Petersburg. Fog clearing later at several of the English stations; no important change occurring elsewhere.

Temperature risen rapidly over Finland and the north of Sweden, and to a less extent in the west and south of our Islands; fallen in most other localities. Morning readings highest, 60° at Malta and Nemours, and 59° at Oran and Algiers; above 50° at several of the Mediterranean stations, and above 45° on our own southern coasts, as well as in the Hebrides, the Shetlands, and the west of Norway. Lowest, (1) 16° at Archangel and 26° at Moscow; (2) 18° at Munich and 28° at Prague; (3) 28° at Aberdeen and Yarmouth. Daily maxima ranging between 40° and 45° over the eastern and central parts of the United Kingdom, but thermometer exceeding 50° on our south-west coasts, and exceeding 60° over the southern parts of the Spanish Peninsula.

Wind Easterly or North-Easterly over France, Spain, Italy, and the extreme south of England; strong in force at the mouth of the Channel, as well as at most of the Italian stations, fresh to strong from the North or North-West over the central parts of the Mediterranean. Light to moderate from the South-East in Ireland and from the South-West or West in Scotland; strong to a gale from the West over Finland and the north of Scandinavia; light from the North-West over Denmark, the Baltic, and the central and southern parts of Russia; variable in Germany. No important change occurring during day.

Barometer highest, 30.4 ins. and upwards over England, the Netherlands, Germany, and the western and northern parts of Austria, 30.1 ins. and upwards in a large anticyclone covering nearly the whole of western and central Europe. Lowest, 29.6 ins. and less in a well-marked depression over Lapland; 29.7 ins. and less in another disturbance over Sicily and the adjacent parts of the Mediterranean. Anticyclone subsequently moving eastwards, and barometer falling in most of the western countries.

Monday, 3rd December.

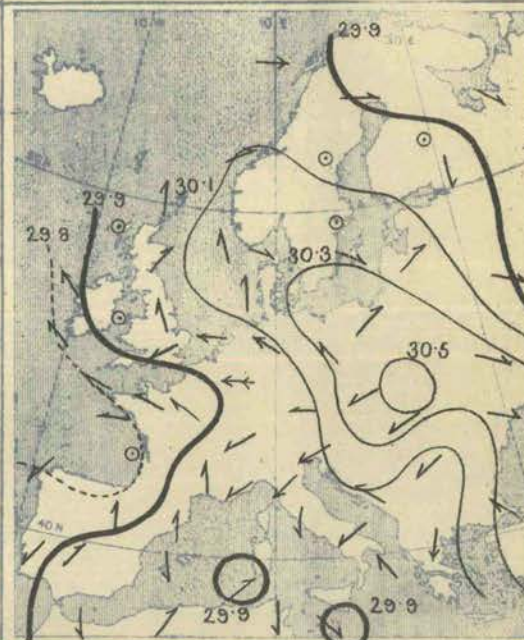
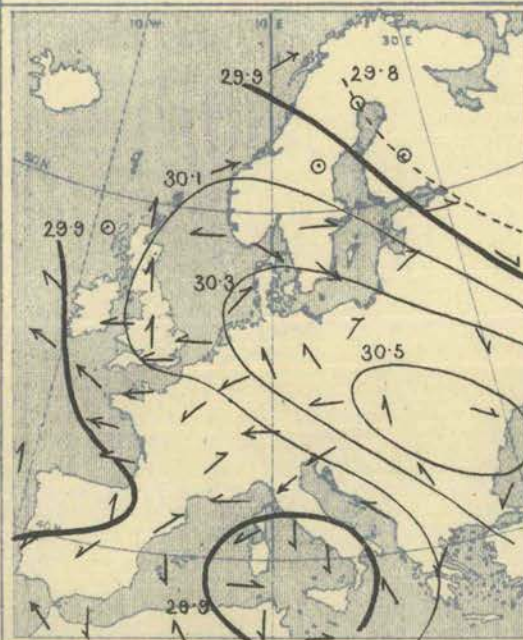
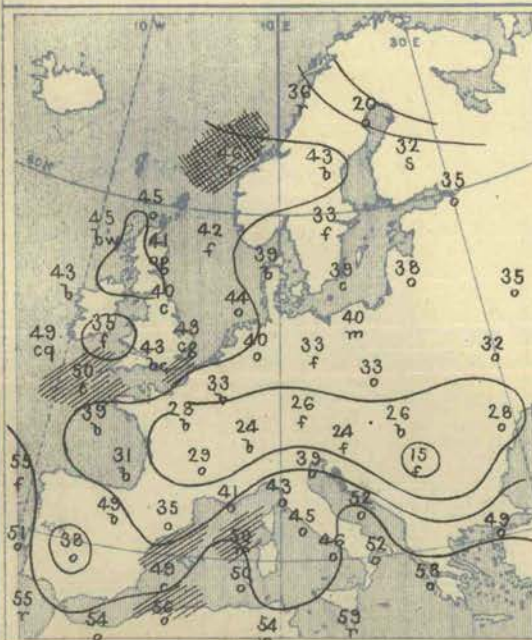
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fair over the greater part of our Islands, but dull or foggy in places. Fine and bright over Belgium, western Germany, and the north and west of France, dull in most other parts of the Continent, with fog in the south of Scandinavia and also at several of the German and Austrian stations; snow falling at Kuopio. Slight rain falling during day at Wick and Valencia (Ireland), and very large amounts over the Adriatic, as much as 2.5 ins. at Lésina and 2.4 ins. at Brindisi.

Temperature changed very irregularly; risen considerably over the eastern and central parts of Great Britain, fallen in most other localities. Morning readings highest, 59° at Malta, 58° at Athens, and 50° at Algiers; reaching 50° on some parts of our own south-west coasts. Lowest, (1) 15° at Hermanstadt, and 24° at Munich and Vienna; (2) 20° at Haparanda and 26° at Carlstadt; (3) 28° at Nairn and 32° at Ardrrossan. Daily maxima over our Islands below 40° in the south of Scotland, and below 50° on all but our south-west coasts; thermometer exceeding 55° over the Spanish Peninsula and the south of Italy. Frost occurring in many parts of western Europe at night.

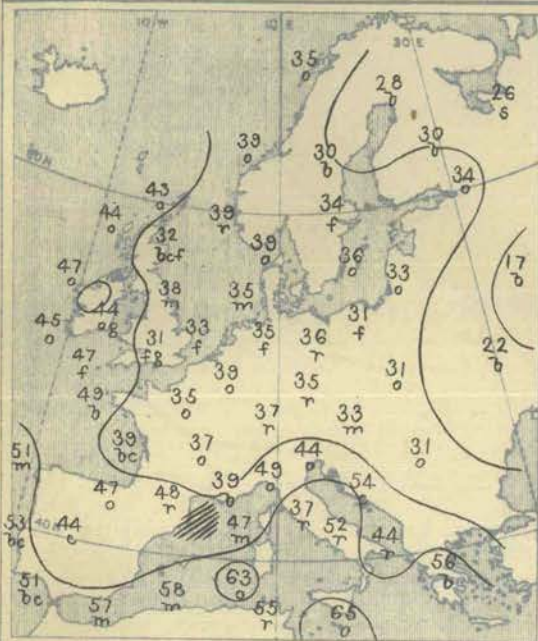
Wind Easterly over France, Germany, the Netherlands, and the south of England, and strong in force in the western parts of the Channel. Moderate to fresh from the South-Eastward in Ireland; light from the Southward in Scotland; strong from the Westward or South-Westward in the west of Norway and over the Gulf of Finland; calm in the north of Sweden. Light from North-West over the central and southern parts of Russia. Northerly or North-Easterly in most parts of southern Europe, but variable in Algeria. No important change occurring during day.

Barometer highest, 30.5 ins. and upwards over eastern Austria and the neighbouring parts of Russia; 30.1 ins. and upwards in an anticyclone covering the whole of eastern and central Europe, and extending over the eastern parts of Great Britain. Lowest, 29.3 ins. and less over northern Russia; 29.9 ins. and less in a large shallow depression lying to the south-west of our Islands and also in another large system over the south of Italy and the central parts of the Mediterranean. Anticyclone subsequently moving northwards, and barometer falling in all parts of western Europe. Mediterranean depression gradually filling up.

Thursday, 6th December.

Temperature and Weather.

8 a.m.

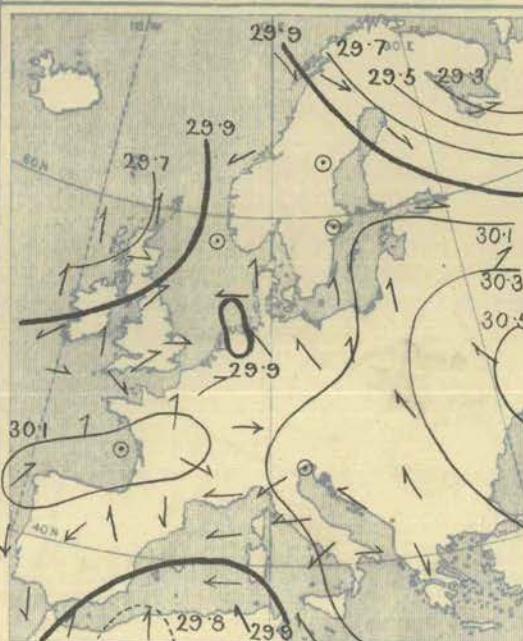


Weather in morning dull over the greater part of our Islands and the Continent, with mist or fog in many places, showers reported at several of our own western stations, and steady rain in many parts of Germany and Italy, as well as at Skudesnaes and Perpignan; snow falling at Archangel. Fine and bright in the north of Sweden and many parts of Russia, as well as in the southern parts of the Spanish Peninsula. Rain falling later in the west and south of our Islands generally, and also at several of the Continental stations. Large quantities reported in Algeria.

Temperature risen in the extreme west of our Islands, as well as over northern Russia, fallen in most other localities. Morning readings highest, 65° at Malta, 63° at Cagliari, and 58° at Barcelona and Algiers, above 50° at most of the Mediterranean stations. Lowest, 12° at Kharkov, 17° at Moscow, and 22° at Kiev; below the freezing point in most parts of northern and eastern Europe, as well as in the inland parts of Great Britain. Daily maxima below 45° over Great Britain as a whole, and below 40° at some of our northern stations; thermometer exceeding 50° in the south of Ireland and also in the west and south of France.

Barometer and Wind.

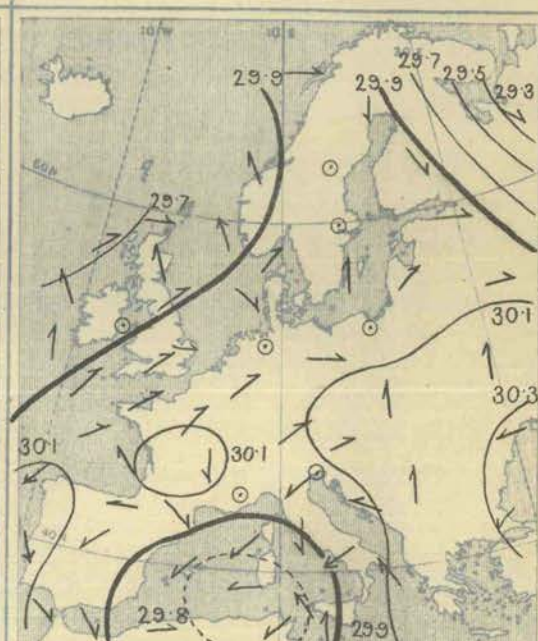
8 a.m.



Wind light from the Southward on our extreme north and north-west coasts, and from the South-Westward in most other parts of our Islands, but Easterly in the south of Ireland. Variable in France, light from between South and East over Denmark, Germany, Austria, and the south of Russia. Moderate to strong from the Westward or North-Westward over the northern parts of Sweden and Russia. North-Easterly over Italy and the Spanish Peninsula. Light Southerly or South-Easterly breezes setting in later on our extreme western coasts generally.

Barometer highest, 30.6 ins. and upwards in an anticyclone over the south of Russia; 30.1 ins. and upwards in a separate system over France and the north-west of Spain. Lowest, 29.3 ins. and less in a well-marked depression over the extreme north of Russia; 29.8 ins. and less in a shallow disturbance over the extreme north and north-west of Scotland, and also in another system over Algeria. New depression approaching our western coasts later, and barometer falling over western Europe generally, rather decidedly in Ireland.

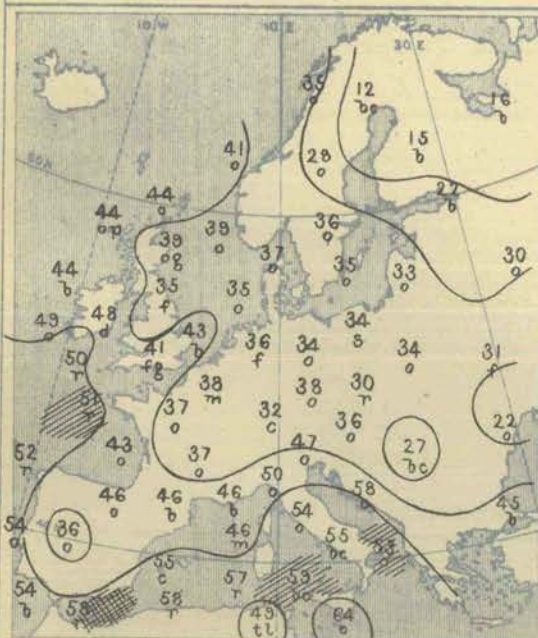
8 p.m.



Friday, 7th December.

Temperature and Weather.

8 a.m.

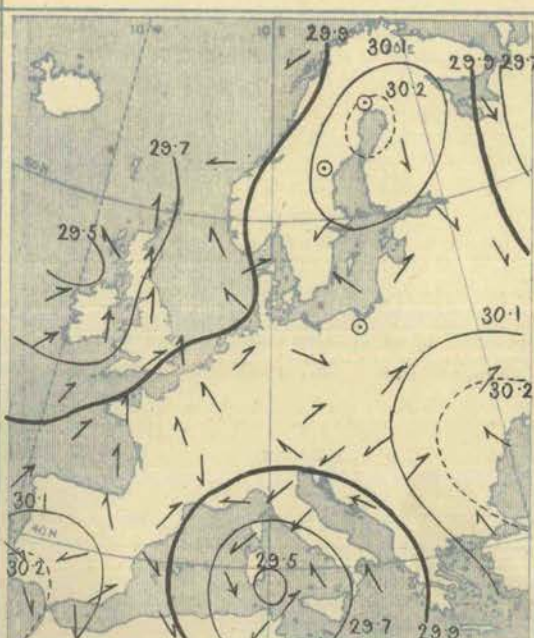


Weather in morning dull and rainy at many of our own western and also at our extreme south-eastern stations; foggy over central England. Dull over the greater part of the Continent, with fog in Germany and Austria, and with snow at Neufahrwasser. Rain falling at Cagliari and several of the Algerian stations, and a thunderstorm reported at Tunis. Rain extending later over the whole of the United Kingdom, the Netherlands, and the north of France, but weather improving on our western coasts. Heavy rain falling in many parts of southern Europe, the largest amounts being 3.5 ins. at Lésina, 1.6 ins. at Oporto, and 1.4 ins. at Pesaro.

Temperature risen in most countries, but fallen over Sweden and northern Russia. Morning readings highest, 64° at Malta, 59° at Palermo, and 58° at Lésina, Nemours, and Algiers; above 50° at most of the Mediterranean and Spanish coast stations. Lowest, 12° at Haparanda, 13° at Uleaborg, 15° at Kuopio, and 16° at Archangel; below the freezing point in many parts of Germany and Austria. Rising during day to between 50° and 54° on our south and south-west coasts, as well as in the west and south of France. Slight frost occurring at many of our northern and central stations at night.

Barometer and Wind.

8 a.m.



Wind Westerly to South-Westerly in the west and south of Ireland and Southerly over Great Britain and France; light or moderate in force generally, but fresh at some of our western stations. South-Westerly or Westerly in Germany, South-Easterly on the eastern shores of the North Sea, calm in the north of Sweden; North-Westerly over northern Russia. Variable in Austria and also over the Spanish Peninsula and the south of France; Easterly (South-East to North-East) in Italy, North-Westerly in Sardinia; South-Westerly or Westerly in Sicily and Malta. Subsequently veering to the Westward on our western and southern coasts generally; no important change occurring elsewhere.

Barometer highest, 30.2 ins. and upwards in three areas, one lying over Lapland, another over the Black Sea and the south of Russia, and the third over the extreme south of the Spanish Peninsula. Lowest, 29.5 ins. and less in a shallow depression off our extreme north-west coasts, and also in a deeper disturbance lying between Sardinia and Italy. Depression in north-west subsequently moving north-eastwards; shallow secondary disturbances passing eastwards across Ireland and England. Sardinian depression moving slowly eastwards.

Saturday, 8th December.

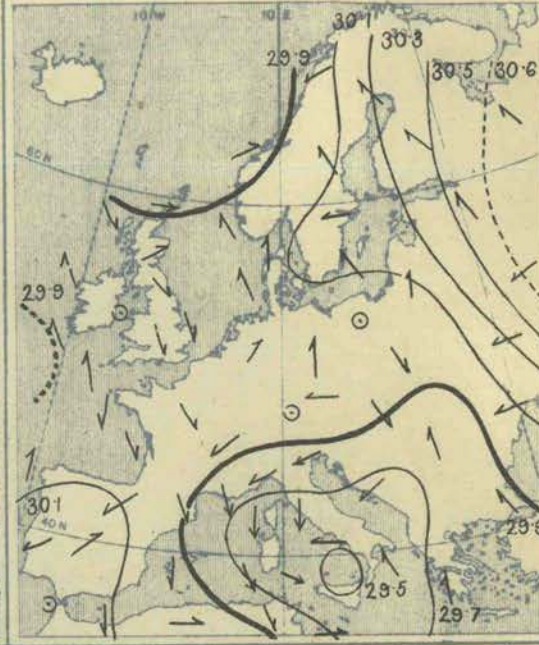
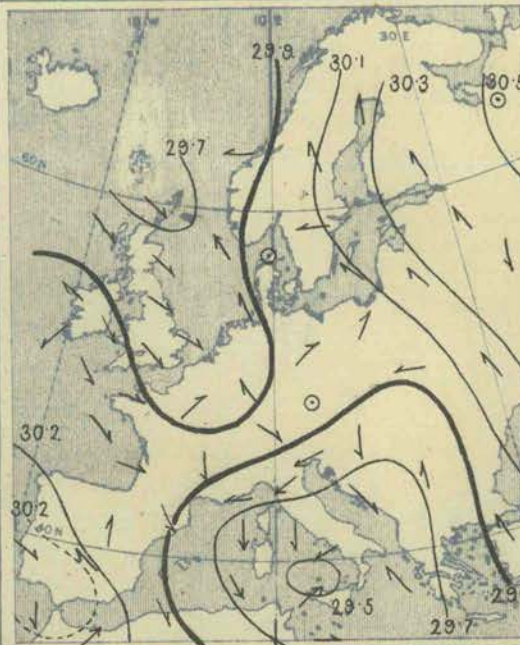
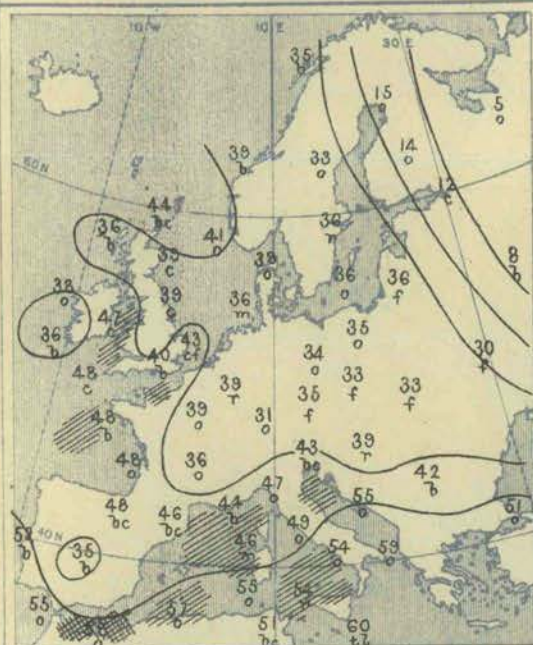
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fair or fine over our Islands, the west and south of France, the Spanish Peninsula and the west of Norway. Dull in most other parts of Europe, with fog at several of the Danish, German, and Austrian stations, rain at Stockholm and in some parts of France, Belgium, and Italy, snow at Kharkov, and a thunderstorm at Malta. Subsequently becoming dull and rainy in the extreme west of our Islands; snow falling in many parts of Russia. Aurora seen at Wick.

Temperature fallen in most places. Morning readings highest, 60° at Malta, 59° at Brindisi, 58° at Nemours, and 57° at Algiers; above 50° at most of the Mediterranean and Spanish coast stations, and just touching that point at Jersey and Brest. Lowest, 5° at Archangel, 8° at Moscow, 12° at St. Petersburg, and 14° at Knopio; below the freezing point over Russia generally, as well as in south Germany and central Ireland. Daily maxima below 45° in the north of our Islands, but above 50° on our extreme south-west coasts; frost occurring in many parts of Great Britain at night.

Wind light to moderate from the North-Westward over the greater part of our Islands and the north of France, but North-Easterly or Easterly in the west of Ireland. Light to fresh from the Eastward or South-Eastward over Scandinavia, Denmark, and northern Russia; variable over central Europe; Northerly or North-Easterly in the north of Italy; North-Westerly in Sardinia and Algeria; Westerly or South-Westerly in Malta and Sicily. Subsequently shifting to the South-Eastward in the extreme west and south-west of our Islands; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards in the extreme north of Russia; 30.1 ins. and upwards in an anticyclone covering the whole of Russia and also in another system over the Spanish Peninsula. Lowest, 29.5 ins. and less in a depression lying between Naples and Sicily; 29.7 ins. and less in a shallow system near the Shetlands; 29.8 ins. and less in a "V" shaped secondary over the North Sea. Italian depression subsequently moving slowly eastwards; other disturbances gradually filling up, but new one beginning to approach our Islands from the westward.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: — = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Shortly after the commencement of this period the large anticyclone previously noticed over western Europe moved away steadily in an easterly direction, while small shallow depressions were formed over the Bay of Biscay and our extreme south and south-west coasts, the latter systems spreading northwards and occasioning slight rain in many parts of the United Kingdom.

On the 4th, and again on the 6th, high-pressure areas were formed temporarily over Finland and Sweden, the systems in each case moving away to the south-eastward under the influence of deep depressions which advanced across the northern parts of Scandinavia. Over the Spanish Peninsula, however, a more permanent area was located, the two regions of high-pressure being united by a "col" which extended across central Europe. Cyclonic disturbances now began to appear off our own western and northern coasts, the most important of these being a "V" shaped depression which advanced eastwards across our Islands on the 7th, and which produced steady rain in most parts of the Kingdom. Over southern Europe the weather was, at the same time, influenced by a large depression which advanced northwards from Algeria on the 6th, and which occasioned heavy rain in many places, with thunderstorms at some of the Mediterranean stations.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 290.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	1.8	?	4	?	EASTBOURNE	12.4	?	23	?
OSWALDKIRK (Yorkshire)	1.4	?	3	?	MANCHESTER (Oldham Road)	0.8*	?	1*	?
WORKSOP	2.5	- 4.7	5	-10	TENBY	10.8*	?	20*	?
THURCASTON (Leicestershire)	6.7	+ 0.5	13	0	NEWQUAY	10.1	?	18	?
MARGATE	11.8	?	21	?	TORQUAY	10.3*	?	18*	?
WESTBOURNE (Sussex)	10.6*	?	19*	?	ARLEY COTTAGE (County Cavan)	8.7	?	17	?
BRIGHTON	12.2	?	22	?	GUERNSEY	20.3*	?	36*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

295

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Vol. XI. No. 50.]
Third Series.

WEEK ENDING SATURDAY, DECEMBER 15TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. **RAINFALL.**—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1869-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. **BRIGHT SUNSHINE.**—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 296.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	57	28	49.9	38.6	44.5	6 above	Day-deg. 32	Day-deg. +25	Day-deg. 10	Day-deg. -20	Day-deg. 2231	Day-deg. +367	Day-deg. 921	Day-deg. -89
	1. SCOTLAND, EAST	57	23	48.7	36.1	42.6	6 above	29	+21	17	-19	2302	-59	791	+16
	2. ENGLAND, N.E.	55	27	48.3	40.1	44.4	6 above	25	+17	5	-25	2574*	+63	638*	-109
	3. ENGLAND, EAST.	53	29	48.1	38.8	43.6	6 above	25	+16	9	-23	3009	+88	574	-152
	4. MIDLAND COUNTIES.	54	26	48.6	40.0	44.4	6 above	25	+14	6	-29	2934	+70	590	-156
5. ENGLAND, SOUTH	55	26	49.6	41.4	45.7	6 above	28	+12	2	-25	3352	+149	364	-178	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	60	27	51.6	41.6	46.8	7 above	35	+24	1	-23	2557	+99	429	-104
	7. ENGLAND, N.W.	59	30	50.5	42.5	46.7	7 above	33	+22	0	-24	2900	+236	355	-168
	8. ENGLAND, S.W.	62	29	51.8	44.1	48.1	6 above	43	+25	0	-17	3152	+141	276	-102
	9. IRELAND, NORTH	56	29	51.4	39.6	45.7	6 above	36	+22	7	-16	2695	+67	436	-45
	10. IRELAND, SOUTH	57	30	53.2	42.6	48.1	6 above	43	+23	0	-20	3084	+87	282	-94
	—CHANNEL ISLANDS	55	35	52.4	45.8	49.3	4 above	51	+19	0	-5	3837	+325	97	-26

DISTRICTS. (See p. 296.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of in. 22	10ths of ins. 8 more	220	-15	45.3	+1.0	3	-2	6	-4	1124	+117	31	+3
	1. SCOTLAND, EAST	5	6	0 (average)	193	0	32.7	+1.8	3	-4	7	-9	1286	+72	33	+1
	2. ENGLAND, N.E.	5	6	0 (average)	199	+20	24.9	-1.1	6	-2	12	-3	1278	+79	30	+1
	3. ENGLAND, EAST.	4	9	3 more	194	+17	26.1	+0.8	8	-1	14	-4	1439	-47	34	-1
	4. MIDLAND COUNTIES.	5	10	4 more	186	+12	26.4	-1.5	4	-4	8	-7	1301	-9	30	-1
5. ENGLAND, SOUTH	5	9	3 more	188	+18	31.3	+4.3	9	-1	16	-2	1551	-23	24	-1	
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	17	4 more	206	+4	47.2	-1.7	4	-5	9	-4	1338	+41	31	+1
	7. ENGLAND, N.W.	6	11	3 more	200	+11	34.2	0.0	3	-3	6	-6	1216	+54	31	+1
	8. ENGLAND, S.W.	6	14	4 more	202	+5	43.0	+3.6	8	-3	14	-6	1586	-11	36	0
	9. IRELAND, NORTH	6	12	4 more	222	+2	36.3	+1.8	3	-3	6	-8	1248	+58	29	+1
	10. IRELAND, SOUTH	6	12	4 more	202	+1	41.6	+4.1	7	-3	13	-7	1349	-69	31	-2
	—CHANNEL ISLANDS	6	10	1 more	210	0	37.4	+4.5	9	-3	16	-7	1742	-59	42	-1

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather during this period was mild and very unsettled over the Kingdom as a whole. Rain fell almost daily in the western and northern districts, and some rather heavy falls were experienced in the south and south-east towards the end of the period.

Temperature was much above the mean, the excess ranging from 4° in the Channel Islands to 6° in nearly all other districts, and to 7° in Scotland W. and England N.W. The highest of the maxima were recorded during the middle or latter part of the week, when they ranged from 62° in England S.W. and 60° in Scotland W. to 54° in the Midland Counties and to 53° in England E. The lowest of the minima were registered on the 9th, and varied from 23° in Scotland E. and 26° in the Midland Counties and England S., to 30° in England N.W. and Ireland S., and to 35° in the Channel Islands.

Rainfall just equalled the mean in Scotland E. and England N.E., but exceeded it elsewhere, the excess in most cases being considerable, and especially in Scotland N.

Bright Sunshine shows a deficit in all districts. The percentage of the possible duration ranged from 16 in England S. and the Channel Islands, and from 13 in Ireland S. to 6 in Scotland N. England N.W., and Ireland N.

Barometer and Wind.—During the whole of the week pressure was highest over the south-eastern or southern parts of our area, while depressions (some of them rather deep) approached our north-western and northern coasts from the Atlantic. Southerly and South-Westerly winds were consequently general over our Islands, and occasionally rose to the force of a gale in the west and north. During the 14th, a secondary disturbance passed eastwards over England, bringing a great deal of rain to our southern and south-eastern counties.

II.—DATA from which the SUMMARY on page 295 has been calculated.

		Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.				
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.	
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.								
										Inches.		Inches.					
0. SCOTLAND, N.	Sumburgh Head	52	32	48.4	39.3	44.0	+ 4.9	25	8	7	1.04	+0.08	*	*	*	*	
	Stornoway	53	35	49.6	40.1	45.0	+ 5.9	29	5	6	2.56	+1.30	4.4	- 1.4	10	- 4	
	Wick	55	35	48.7	38.6	43.9	+ 6.2	28	10	6	0.50	-0.20	*	*	*	*	
	Glencarron	57	30	50.2	38.7	44.7	+ 6.1	34	15	7	3.07	+0.93	1.2	?	3	?	
	Fort Augustus	55	28	50.4	36.6	43.8	+ 5.8	35	15	7	2.32	+1.27	1.8	?	4	?	
1. SCOTLAND, E.	Fort William	56	32	51.8	40.3	46.3	+ 7.0	37	5	7	3.63	+1.60	*	*	*	*	
	Nairn	57	29	51.4	32.9	42.5	+ 4.9	42	25	7	0.30	-0.16	*	*	*	*	
	Aberdeen	55	28	49.6	37.0	43.6	+ 5.9	32	14	4	0.33	-0.39	4.7	- 3.8	10	- 9	
	Braemar	52	23	45.7	33.2	39.7	+ 5.1	10	35	6	0.80	-0.12	3.2†	†	7†	†	
	Ochertyre	53	30	48.9	36.0	42.7	+ 6.0	30	17	7	1.33	+0.46	*	*	*	*	
2. ENGLAND, N.E.	Leith	56	28	51.7	38.6	45.4	+ 6.1	38	10	5	0.55	+0.17	2.8	?	6	?	
	Marchmont	50	32	44.6	38.6	41.7	+ 5.1	7	14	3	0.33	-0.39	*	*	*	*	
	Alnwick Castle	53	29	47.4	39.0	43.4	+ 5.3	22	8	5	0.72	+0.02	*	*	*	*	
	Durham	54	27	48.0	38.9	43.6	+ 6.4	24	9	4	0.57	-0.12	6.7	- 2.8	14	- 5	
	Shields	55	31	49.3	40.9	45.3	+ 6.4	28	3	4	0.42	-0.17	*	*	*	*	
3. ENGLAND, E.	Scarborough	54	36	48.9	39.5	44.4	+ 5.3	27	7	6	0.85	+0.21	5.1	- 0.3	10	- 1	
	York	55	29	49.1	40.3	44.9	+ 6.9	27	5	5	0.43	-0.08	*	*	*	*	
	Spurn Head	51	38	47.1	42.1	44.7	+ 5.4	19	0	4	0.77	+0.29	*	*	*	*	
	Hillington	52	30	48.0	38.9	43.6	+ 6.3	24	9	2	0.77	+0.20	*	*	*	*	
	Yarmouth	51	35	46.9	39.4	43.3	+ 4.7	20	7	2	0.72	+0.18	11.6	+ 0.9	22	+ 2	
4. MIDLAND COUNTIES	Geddeston	51	29	48.4	37.8	43.3	+ 4.8	27	12	5	0.72	+0.18	4.5	- 4.8	8	- 9	
	Cambridge	53	32	48.9	38.4	43.9	+ 6.1	28	10	4	0.84	+0.41	7.2	?	14	?	
	Rothamsted	51	32	48.2	39.3	43.9	+ 5.9	25	8	4	1.01	+0.46	*	*	*	*	
	Bawtry (Hesley Hall)	53	36	48.9	40.3	44.8	+ 6.9	27	5	3	0.53	+0.03	*	*	*	*	
	Loughborough	54	31	49.1	40.4	44.9	+ 6.9	27	4	5	1.12	+0.62	*	*	*	*	
5. ENGLAND, S.	Stamford (Ketton Hall)	53	27	48.3	38.6	43.6	+ 5.9	25	10	5	1.03	+0.49	*	*	*	*	
	Cheadle	52	36	47.2	40.4	43.9	+ 6.7	20	4	6	1.02	+0.32	1.1	- 7.1	2	- 14	
	Churchstoke	53	29	49.5	41.3	44.6	+ 6.4	21	2	5	0.72	+0.01	*	*	*	*	
	Hereford	53	29	49.3	40.3	45.0	+ 6.0	28	5	6	0.46	-0.08	4.8	- 4.0	9	- 9	
	Cirencester	52	26	48.3	38.3	43.5	+ 5.8	26	10	5	1.60	+0.96	5.8	- 2.4	11	- 5	
6. SCOTLAND, W.	Oxford	53	29	48.4	40.3	44.5	+ 5.8	25	5	4	1.34	+0.86	5.5†	+ 1.0†	10†	+ 2†	
	London	54	34	49.7	40.3	45.2	+ 5.7	30	5	4	0.99	+0.52	*	*	*	*	
	North Foreland	53	39	47.6	41.1	44.5	+ 4.6	21	3	2	0.19	?	*	*	*	*	
	Strathfield Turgiss	54	23	49.7	39.0	44.6	+ 6.4	31	8	7	1.60	+1.12	*	*	*	*	
	Dungeness	52	34	48.4	41.6	45.1	+ 4.6	23	1	3	0.29	-0.39	*	*	*	*	
7. ENGLAND, N.W.	Hastings (St. Leonards)	53	38	50.1	41.0	45.7	+ 5.4	30	3	5	0.61	-0.07	12.6	+ 0.6	23	0	
	Southampton	55	31	51.3	43.1	47.4	+ 7.0	38	0	5	1.32	+0.63	6.0	- 3.8	11	- 8	
	Hurst Castle	54	32	50.1	44.0	47.2	+ 5.7	36	0	5	0.70	+0.06	*	*	*	*	
	Stowell	53	30	49.9	40.9	45.6	+ 6.6	30	3	7	1.59	?	*	*	*	*	
	Laudale (Loch Sunart)	59	33	55.4	40.7	48.3	+ 8.2	50	4	7	2.55	+0.41	*	*	*	*	
8. ENGLAND, S.W.	Glasgow	54	33	49.6	41.2	45.6	+ 7.3	29	2	7	1.24	+0.34	2.4	- 1.0	5	- 2	
	Ardrossan	53	35	50.3	42.1	46.4	+ 6.1	31	0	7	0.78	-0.06	*	*	*	*	
	Glenlee	60	27	51.3	39.7	45.7	+ 8.3	36	6	7	2.37	+0.93	6.0	- 4.0	12	- 7	
	Douglas (Isle of Man)	53	33	51.2	44.1	47.8	+ 6.5	41	0	?	?	?	*	*	*	*	
	Stonyhurst	52	33	48.2	41.6	45.0	+ 6.8	23	1	6	1.63	+0.60	1.5	- 4.8	3	- 9	
9. IRELAND, N.	Blackpool	54	30	50.5	41.2	46.0	+ 6.9	31	2	6	1.10	+0.40	4.6	- 1.3	9	- 3	
	Manchester (Prestwich)	53	33	49.1	41.5	46.5	+ 7.5	27	1	6	1.19	+0.39	2.7	?	5	?	
	Liverpool Obsy. (Bidston)	56	35	51.1	41.1	46.3	+ 6.3	34	3	4	0.53	-0.05	*	*	*	*	
	Llandudno	59	37	52.7	45.6	49.3	+ 7.2	51	0	5	0.47	-0.28	3.6	- 2.4	7	- 4	
	Holyhead	53	38	51.6	44.0	48.0	+ 4.9	42	0	7	1.43	+0.58	*	*	*	*	
10. IRELAND, S.	Llandovery	54	30	52.0	40.3	46.4	+ 5.4	38	5	7	1.67	+0.48	*	*	*	*	
	Pembroke	53	42	52.1	47.6	49.9	+ 5.8	35	0	6	1.10	+0.18	7.3	- 3.1	14	- 6	
	Bristol (Montpelier)	54	32	50.6	43.2	47.1	+ 7.6	38	0	5	1.11	+0.37	*	*	*	*	
	Arlington (N. Devon)	53	32	50.4	41.8	46.2	+ 5.5	31	1	6	1.83	+0.51	*	*	*	*	
	Cullompton	54	29	51.4	42.3	47.0	+ 7.0	35	0	6	1.13	+0.33	4.5	- 2.9	8	- 6	
CHANNEL ISLANDS	Falmouth	55	39	53.0	46.7	50.0	+ 5.4	56	0	6	2.00	+0.80	9.0	- 3.0	16	- 6	
	Plymouth	62	36	53.6	46.1	50.0	+ 7.4	56	0	6	1.65	+0.81	7.5	- 4.0	13	- 8	
	Prawle Point	54	39	51.3	45.1	48.3	+ 5.4	44	0	6	0.76	-0.10	*	*	*	*	
	Malin Head	54	37	51.0	42.0	46.7	+ 6.6	33	0	7	0.70	?	*	*	*	*	
	Londonderry	54	33	51.6	39.9	46.0	+ 6.2	37	6	7	1.25	+0.35	*	*	*	*	
CHANNEL ISLANDS	Edenfel (Omagh)	53	29	49.4	38.4	44.1	+ 5.8	30	10	7	1.18	+0.37	*	*	*	*	
	Belmullet	55	37	52.0	41.4	46.9	+ 2.8	37	2	7	1.54	?	*	*	*	*	
	Markree Castle	55	32	52.7	39.0	46.1	+ 6.9	41	8	6	1.47	+0.69	5.7	- 2.3	11	- 5	
	Brookeborough	54	30	51.7	38.6	45.4	+ 7.7	38	10	6	1.55	+0.61	*	*	*	*	
	Armagh	55	35	51.7	39.9	46.0	+ 7.6	37	6	6	0.93	+0.27	3.2	- 5.1	6	- 11	
CHANNEL ISLANDS	Donaghadee	56	33	50.9	39.9	45.6	+ 4.3	34	6	6	0.78	+0.13	*	*	*	*	
	Edgeworthstown	54	32	51.6	37.3	44.7	+ 6.0	30	13	6	0.97	+0.20	*	*	*	*	
	Dublin	57	35	51.2	43.0	48.8	+ 7.5	48	0	7	0.56	-0.02	7.2	- 4.0	14	- 7	
	Parsonstown	54	30	52.4	39.1	46.0	+ 6.4	40	8	6	0.77	+0.07	6.6	- 3.2	13	- 6	
	Kilkenny	56	31	52.3	38.3	45.6	+ 4.9	41	10	6	0.90	+0.20	*	*	*	*	
CHANNEL ISLANDS	Roche's Point	54	40	52.9	45.7	49.4	+ 5.6	52	0	6	2.11	+0.90	*	*	*	*	
	Valencia	55	35	53.7	45.0	49.5	+ 4.3	53	0	6	1.50	+0.17	6.5	- 3.4	12	- 7	
	Killarney	56	34	54.0	42.2	48.2	+ 5.5	44	0	6	2.07	?	*	*	*	*	
	Foynes	55	40	52.7	44.9	49.0	+ 8.1	49	0	5	0.77	?	*	*	*	*	
	Scilly (St. Mary's)	55	44	53.7	48.4	51.2	+ 4.4	64	0	6	1.51	+0.61	9.4	?	17	?	
CHANNEL ISLANDS	Jersey	55	35	51.1	43.1	47.3	+ 3.4	37	9	5	0.41	-0.47	9.0	- 3.3	16	- 7	

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

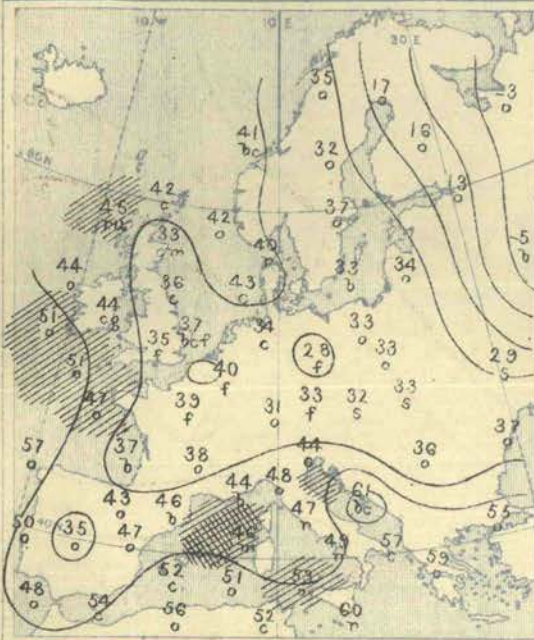
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Breinar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 9th December.

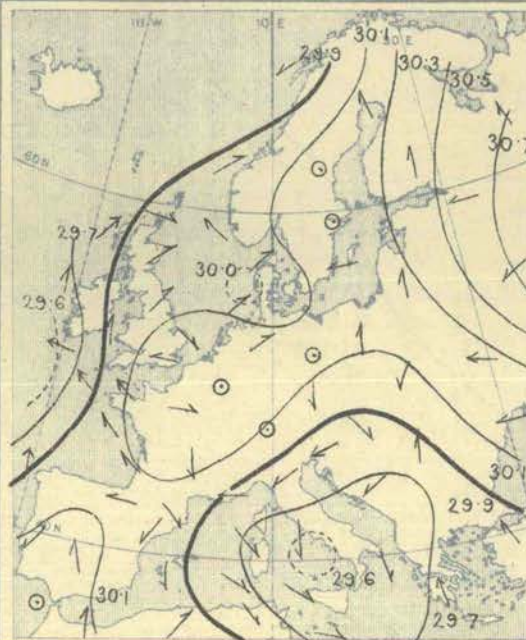
Temperature and Weather.

8 a.m.

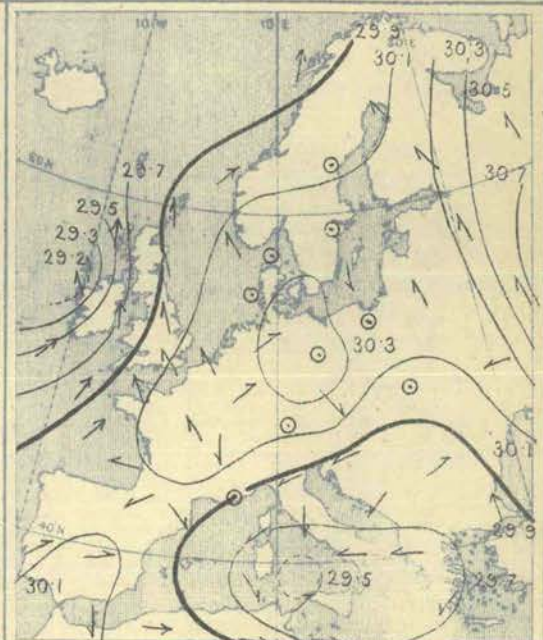


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very foggy over Germany, France, and the eastern half of England, dull and unsettled in most other places, but fine over Scotland and some parts of Norway; fog (wet) over England. Rain falling later at the northern and western stations generally, amount largest (about 0.9 in.) in the south of Ireland, and about 1.2 ins. at Oporto; 1.2 ins. at Brindisi also, and 2 ins. at Kiev. Fog clearing in London towards 2 p.m., and afternoon fair, but with solar halo.

Temperature risen fast over Ireland and the Hebrides, fallen over Great Britain, changed very little and irregularly elsewhere. Morning readings highest, 60° at Malta, and exceeding 50° over the southern parts of the Mediterranean, as well as on the Atlantic coasts of the Peninsula and the extreme south-west of our Islands. Lowest, - 5° Fahr. at Moscow, - 3° at Archangel, + 13° at Kharkov and St. Petersburg, 28° at Helsingfors and also at Breslau; 33° to 35° over the central parts of Great Britain, and slightly lower over central Europe. Rising over Great Britain later, and rise spreading eastwards.

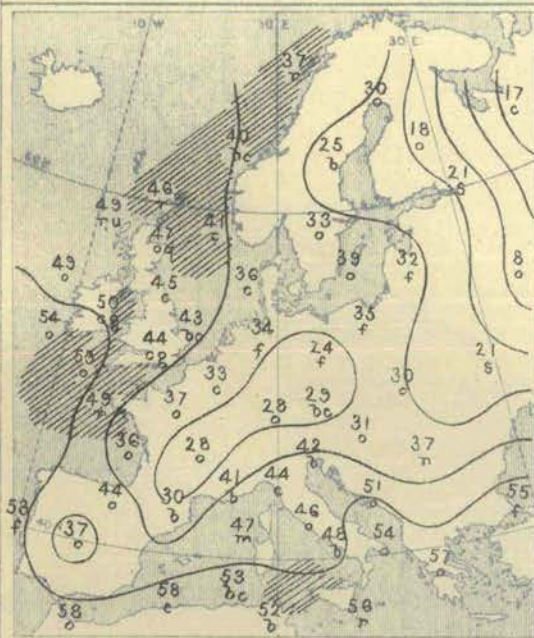
Wind (1) very light and variable (mainly anticyclonic) over Russia, north Germany, France, and the eastern half of Great Britain; (2) Southerly to South-Easterly and strong in the west of our Islands, the north-west of France, and north-west of Spain; (3) North-Easterly to North-Westerly, strong, and cyclonic, over the eastern half of the Mediterranean and the Adriatic. The Southerly wind blowing hard on our western coasts later and spreading with less force over England and Scotland.

Barometer highest, 30.7 ins. and more over central and eastern Russia, and exceeding 30.2 ins. almost all over that country; exceeding 30.1 ins. over northern Germany, France, and Spain. Lowest, below 29.6 ins. (1) off the west of Ireland, and (2) in a depression having its centre near Rome. The Atlantic low pressure system moving north-eastwards later and spreading more over the Kingdom, but barometer rising over the Continent.

Monday, 10th December.

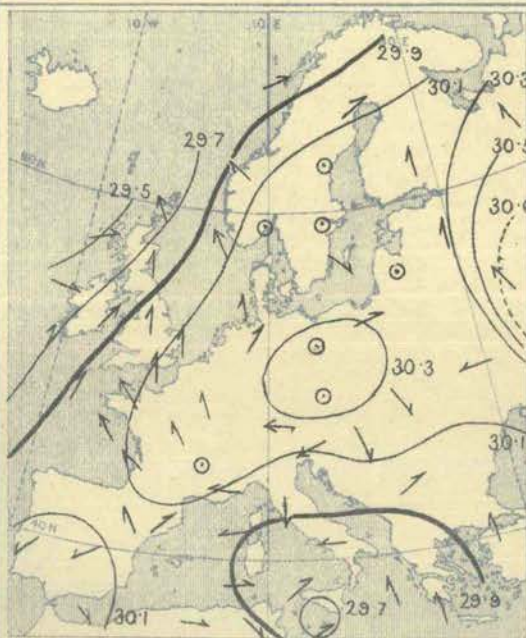
Temperature and Weather.

8 a.m.

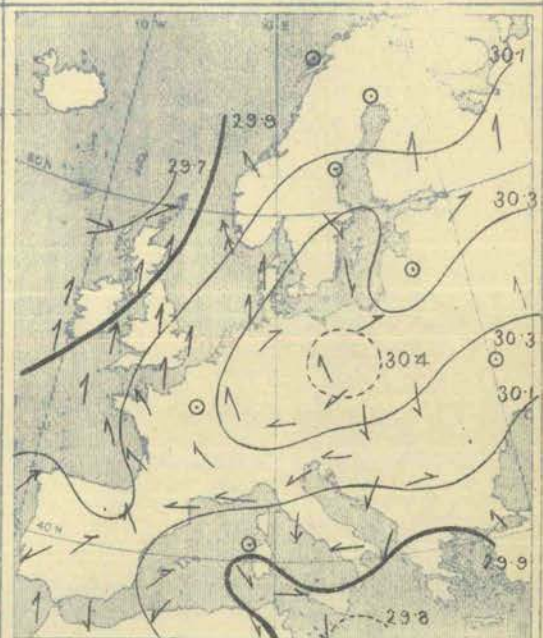


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull and very foggy over central Europe generally, cloudy and rather unsettled over the British Islands, rainy at several of our north-western stations and also at Bodö; snow falling at Helsingfors; sky bright over the greater part of the Mediterranean, but rain falling at Malta. Some rain later over Brittany, the western and northern parts of the British Islands, and Finmark, snow in the south of Russia.

Temperature risen over the whole of the British Islands and over Russia, but fallen over the shores of the White Sea. Highest, 58° at Algiers, 56° at Malta and Patras; 54° to 53° on our extreme south-western coasts, 50° at Malin Head and Leith. Lowest, - 17° at Archangel, + 8° at Moscow, 13° at Kharkov, 15° at Kuopio; (2) 24° at Berlin, 29° to 28° at most of the north German (inland) stations; 28° at Belfort, Lyons, and Limoges. Rising in our Islands later, to between 50° and 55° at our western stations, and to 43° in London; not exceeding 43° at Paris, nor 28° at Berlin.

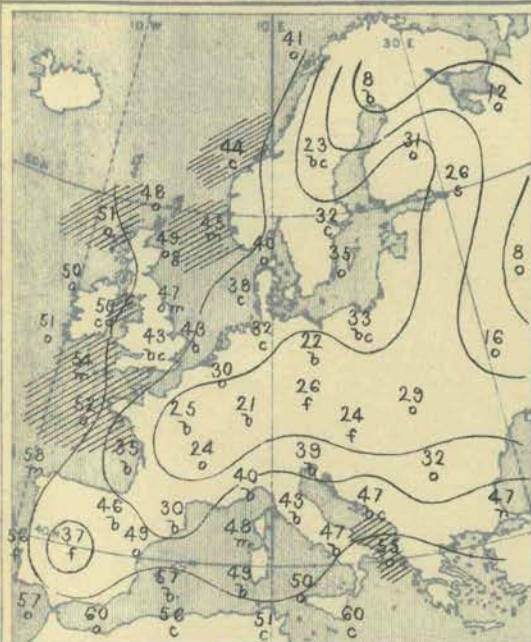
Wind (1) very light and anticyclonic over Russia, central Europe, and the inland parts of France; (2) Southerly over the United Kingdom, South-Easterly in the west of Norway; (3) Easterly to Northerly over Italy and the Adriatic, North-Westerly over Tunis, but South-Westerly at Malta, Southerly at Palermo, South-Easterly at Brindisi.

Barometer highest, 30.6 ins. and more over central and eastern Russia, and exceeding 30.3 ins. in a second anticyclone over Germany; exceeding 30.0 ins. over almost the whole of Europe and the south-eastern half of England. Lowest, (1) below 29.6 ins. over the north-west of Scotland and neighbouring parts of the Atlantic, and (2) below 29.7 ins. in a depression over Malta. Rising over the British Islands later.

Tuesday, 11th December.

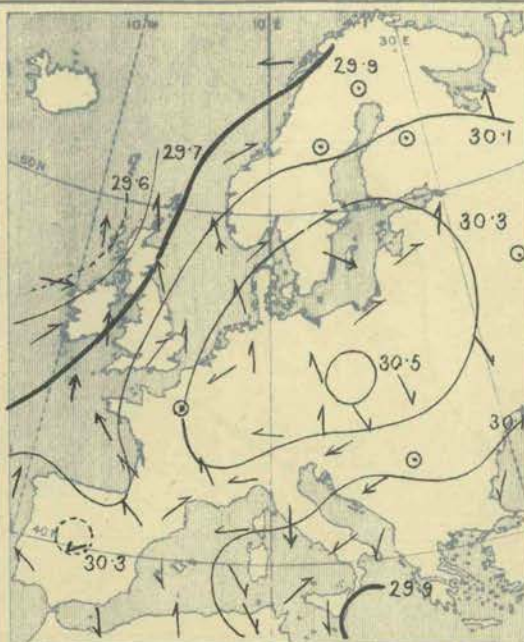
Temperature and Weather.

8 a.m.

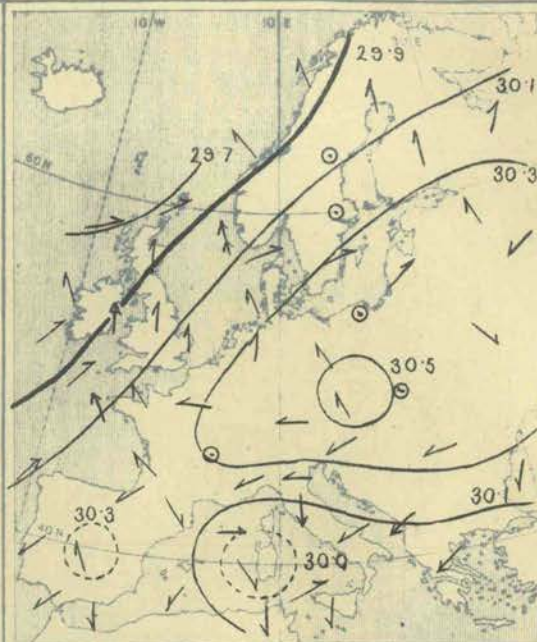


Barometer and Wind.

8 a.m.



6 p.m.



Weather cloudy or dull over the greater part of the United Kingdom, with rain at some of our western stations. Fine in the extreme south-east of England and over a considerable portion of the Continent; foggy at some of the German, Austrian, and Spanish stations, dull in Russia and the south of Scandinavia, with snow at St. Petersburg. Rain extending later to nearly all parts of the United Kingdom and the north of France, amounts rather large in some of our western and southern districts. Solar halo seen at Jersey, and lunar halos in London and at Aberdeen.

Temperature risen slightly in our Islands, Norway, and Denmark; fallen in most other countries. Morning readings highest, 60° at Malta and Nemours, 59° at Oran, and 58° at Corunna; above 50° at most of our own western and northern stations. Lowest, 8° at Haparanda and Moscow, 12° at Archangel, 16° at Kiev, and 21° at Uleaborg, considerably below the freezing point over Germany, Austria, and central France. Daily maxima above 50° in most parts of the United Kingdom, and as high as 57° at Nairn; thermometer remaining below 40° over Germany and central France, but touching 60° in the south of Italy and 64° at Palermo.

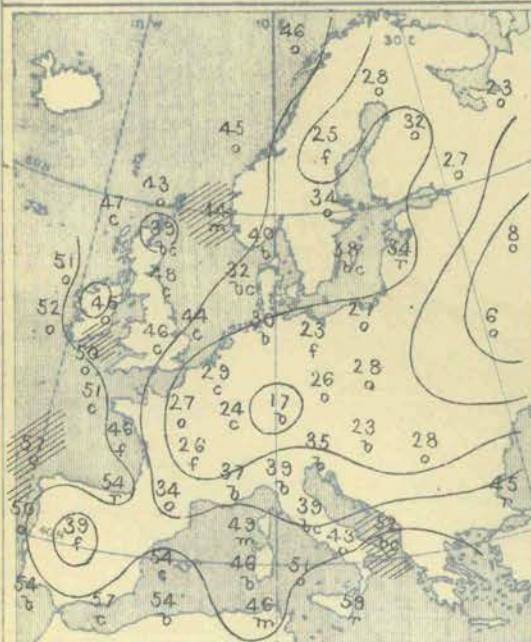
Wind Southerly in our Islands and strong in force on our western coasts. South-Easterly in the west of France and also on the eastern shores of the North Sea, with a gale at Skudesnaes. Light and variable over Sweden, Russia, Germany, and Austria; moderate to fresh from the Northward or North-Eastward in Italy. Subsequently falling light on our western coasts; no important change occurring elsewhere.

Barometer highest, 30.5 ins. and upwards over Germany and the Baltic; 30.1 ins. and upwards in an anticyclone embracing nearly the whole Continent. Lowest, 29.6 ins. and less in a depression lying off the west of Scotland. Depression subsequently moving away in a north-easterly direction, but small and very shallow secondary disturbance advancing over England from the south-westward.

Wednesday, 12th December.

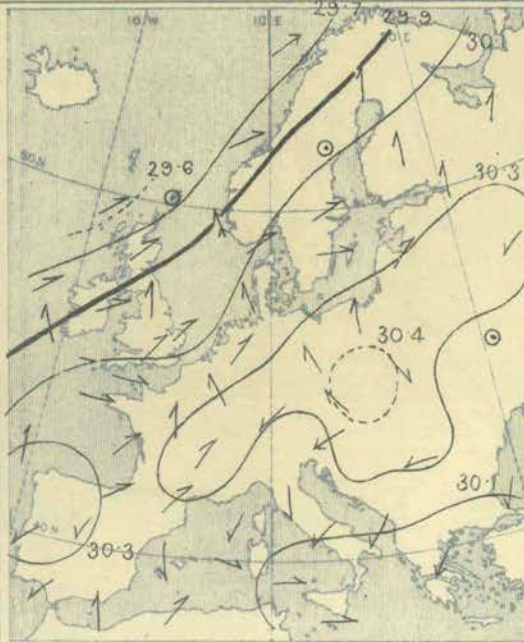
Temperature and Weather.

8 a.m.

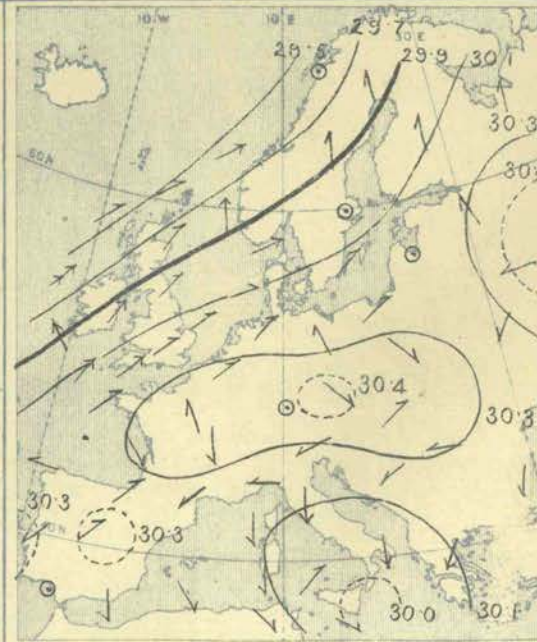


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern and south-eastern Europe, as well as at several stations in the British Islands and north-west of France, cloudy or overcast elsewhere, with some fog at a few of the Continental stations. Heavy rain falling over the Hebrides later, and smaller quantities at the Scotch and Irish stations; sky clearing temporarily in the east and south of England, and lunar halos and coronae seen over our southern counties. Very heavy rain at Palermo.

Temperature changing irregularly, but inclined to rise over the United Kingdom and northern Europe as a whole. Morning readings highest, (1) 59° at Malta and Oporto, 57° at Nemours and Corunna; (2) 51° at Brest and 50° to 52° on our own extreme south-western coasts, 49° at Hurst Castle, 48° at Shields, 46° in London. Lowest, (1) - 3° at Kharkov, + 6° at Kiev, 8° at Moscow, 23° to 28° at the German stations, 26° at Lyons, 27° at Paris, 29° at Brussels. Rising over the British Islands and north of France later, and rise apparently spreading. Maxima exceeding 60° in the north of Spain, at Croisette, Cagliari, and Algiers.

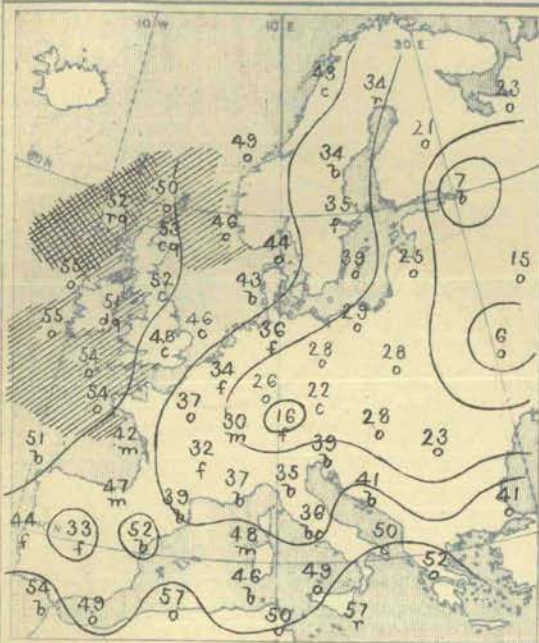
Wind (1) very light and anticyclonic over Russia and central Europe; (2) Easterly to Northerly and moderate to light over the greater part of the Mediterranean; (3) Westerly to Southerly and moderate over the United Kingdom, Southerly or South-South-Easterly over the North Sea. Increasing from South-East and South on our western coasts later, and blowing a gale towards night.

Barometer highest, 30.4 ins. to 30.2 ins. all over the south-western, central, and eastern parts of the Continent. Lowest, (1) 29.6 ins. and less off our extreme north-western coasts, and below 29.7 ins. off the west coast of Lapland; (2) below 30.1 ins. over Malta, Sicily, the south of Italy, and the whole of Greece and Turkey. Falling fast in the north-west and west of our Islands later, as a large depression came towards north-western Europe from the Atlantic.

Thursday, 13th December.

Temperature and Weather.

8 a.m.

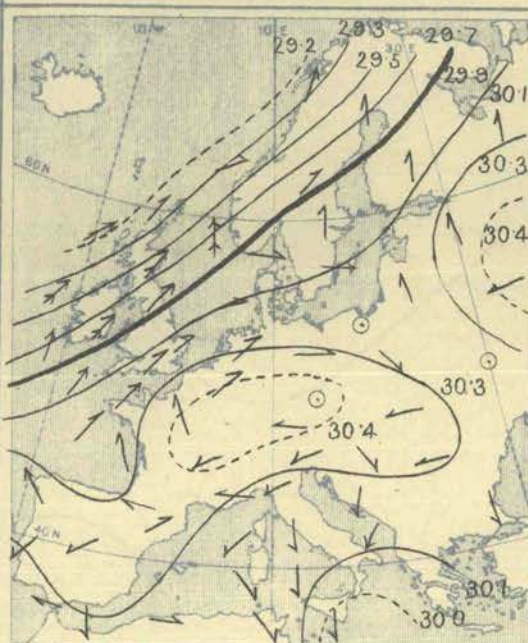


Weather in morning fine and bright at most of the stations in southern Europe, very dull over the more central stations, with a good deal of fog over north Germany, the Netherlands, and north-west of France, overcast, squally, and unsettled over the British Islands, the North Sea, and Norway, rainy at the Irish and Scotch stations, and an angry appearance at Aberdeen. Rain falling later in many parts of the United Kingdom, Scandinavia, and Finland, rather heavily in the Hebrides, Shetlands, and west of Norway.

Temperature risen rapidly in Ireland, Scotland, the north of France, and the countries lying to the eastward of the North Sea. Morning readings highest, 55° in the west of Ireland, 54° at Oporto, Sicily, and Nairn, and exceeding 45° over the east of England and the west of Norway. Lowest, (1) 6° to 15° Fahr. at the Russian stations, 21° at Kuopio, 25° at Riga; (2) 16° at Munich, 22° at Prague, 25° at Vienna. Maxima ranging between 53° and 56° over the western and northern parts of our Islands; failing to reach 32° over south Germany, and not exceeding 31° at Berlin and 41° at Paris, but exceeding 60° on the Algerian coasts, and touching 68° at Lisbon.

Barometer and Wind.

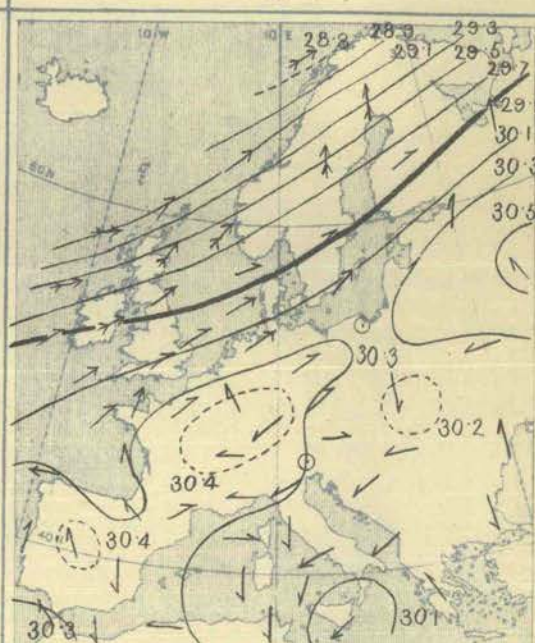
8 a.m.



Wind southerly to South-Westerly over all the north-western and northern countries, and blowing a fresh to strong gale over the western and northern parts of the British Isles and the west of Norway; light and anticyclonic over the greater part of Continental Europe, but North-Easterly to Northerly and strong over Malta, Sicily, the south of Italy, and Greece. Gale veering Westward over the northern parts of the United Kingdom later, and subsequently blowing hard from North-West over Caithness.

Barometer highest, 30.4 ins. and more over central Russia, as well as over south Germany and the central parts of France and Spain. Lowest, 29.2 ins. and less in a large depression lying to the north-westward of Scotland and Norway, and 30.0 ins. and less in another depression in the neighbourhood of Malta. Rising decidedly in the west of our Islands later, falling fast over Scandinavia.

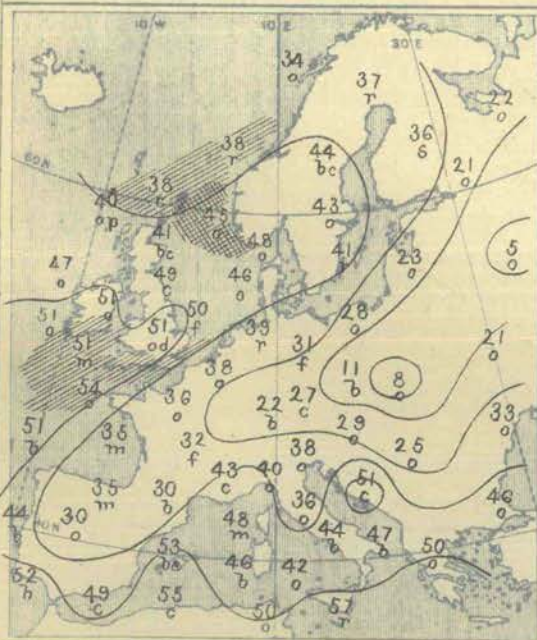
6 p.m.



Friday, 14th December.

Temperature and Weather.

8 a.m.

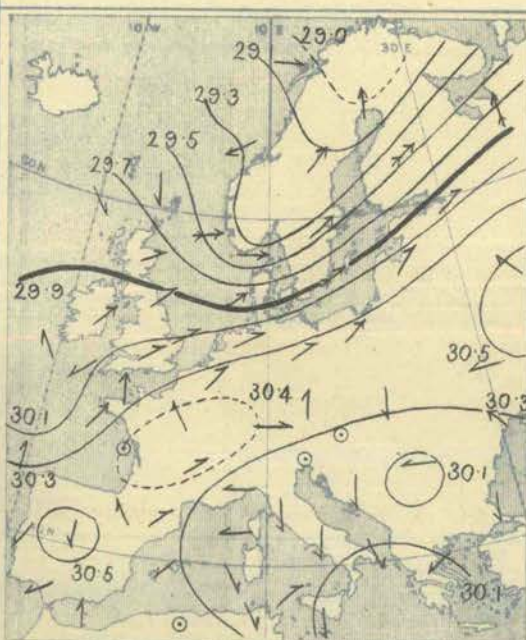


Weather in morning fine over Spain and fair, as a whole, over nearly all the central and eastern parts of the Continent, very unsettled over the northern countries and the British Islands, with rain in several localities and over our southern counties generally. Rain falling later in nearly all parts of France, our Islands, and northern Europe, amounts largest (0.6 to 0.8 in.) over the south-east of England, and 0.9 in. at the Helder, and 1.0 in. at Groningen and Utrecht; 0.6 in. (melted snow) at Helsingfors.

Temperature fallen decidedly over Ireland and Scotland. Morning readings highest, 57° at Malta, 55° at Algiers, 54° at Brest, 53° to 51° over the south and south-west of our Islands, 49° at Ardrossan, 48° at the Scaw. Lowest, (1) 5° at Moscow, 8° to 10° over Poland, 21° at St. Petersburg, 22° at Munich and also at Archangel. Very mild over the south of England till night, but falling decidedly towards morning, and rising fast in the west of France and over Spain. Maxima 60° to 65° over the Peninsula and above 68° in the south of Italy.

Barometer and Wind.

8 a.m.



Wind (1) light and anticyclonic over Russia, central and south-western Europe; (2) blowing a gale from South and South-West over the Baltic and Scandinavia; (3) moderate, North-Westerly to Westerly in Scotland, but South-Westerly over England, Southerly over the Channel, and Easterly, very light, at Sicily. Remaining South-Westerly over the British Islands till night, then changing to West suddenly.

Barometer highest, 30.5 ins. and more to 30.3 ins. in a long band stretching from Russia across central Europe to Spain, and having in it three distinct maxima. Lowest, below 29.0 ins. over Lapland, and below 29.3 ins. in a "V" stretching thence in a south-westerly direction over Sweden and Norway; below 30.0 ins. in a small shallow system off our south-western coasts, and in another off the south of Italy. Falling over our Islands till night, then rising fast in the west and north.

Saturday, 15th December.

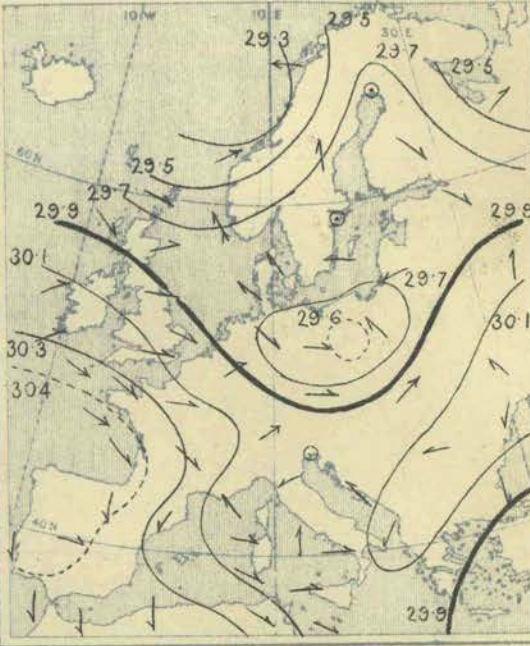
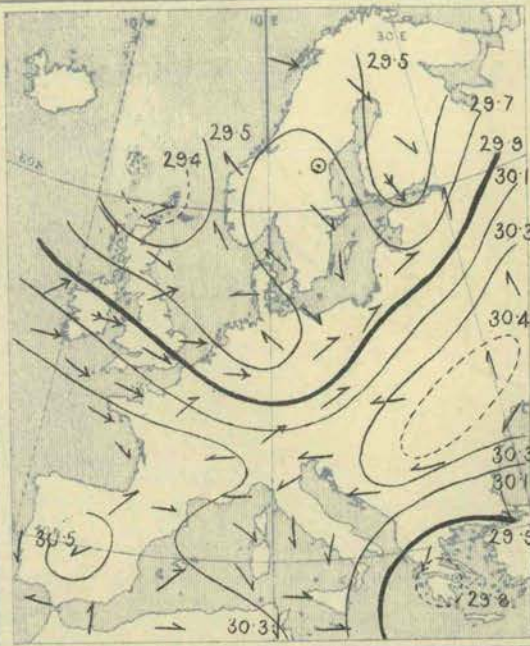
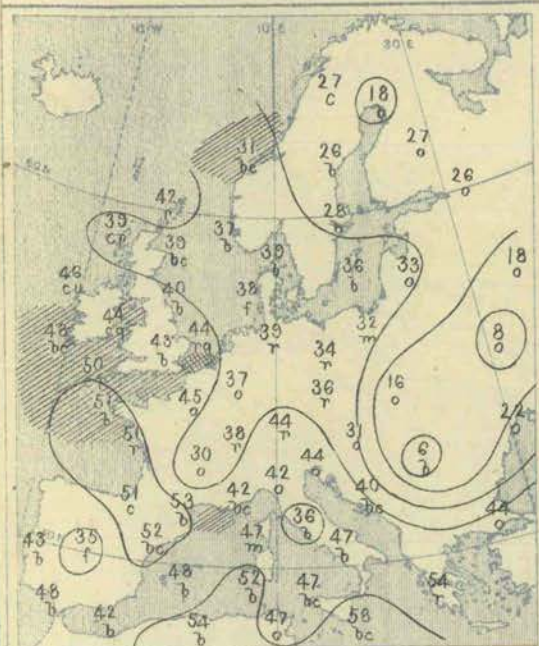
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine over the Mediterranean generally, also over Scandinavia and Denmark, as well as almost the whole of the British Islands; dull and unsettled over northern Europe, with rain and sleet in places, cloudy and angry-looking in the extreme north-west of Ireland and Scotland. Rain falling later over the British Islands generally, as well as over Germany, with sleet at some of our north-eastern stations, but amounts collected not large; showers locally over France, lightning seen in south Germany. Aurora at night in the north of Scotland.

Temperature changing frequently, but not very considerably. Morning readings highest, 58° at Malta, 54° at Algiers, 53° at Perpignan, 50° at Scilly, 48° at Valencia (Ireland). Lowest, 8° to 24° over the southern half of Russia; 18° at Haparanda, 26° at St. Petersburg; 30° at Lyons; 38° at Belfort. Touching 52° at many of our western stations later, and 45° to 49° over the south-east of England. Night minimum 29° at Loughborough.

Wind (1) Westerly, moderate to strong, over our Islands, and a gale along the north coast of Wales, but South-Easterly, moderate, on the eastern shores of the North Sea; (2) Northerly over the Baltic and Gulf of Finland, and blowing a gale at Helsingfors, Southerly at St. Petersburg, South-Westerly over Germany; (3) Easterly over the northern parts of the Mediterranean, and strong to a gale from North-East over Greece. Backing to South-West in Ireland later, but moderating in force; Northerly wind over the Baltic dying out. Evening reports from Greece not received.

Barometer highest, 30.5 ins. and more over central Spain, 30.4 ins. and more over Hungary and the south-west of Russia, and exceeding 30.0 ins. over south-western and the southern parts of central Europe generally. Lowest, below 29.4 ins. in a depression over the Shetlands, below 29.5 ins. in another over Finland, below 29.7 ins. over the Netherlands and North Sea, and below 29.8 ins. over Greece. Depression over the Shetlands moving north-eastwards later, that over the Netherlands reaching north Germany.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying with the wind, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Throughout this week pressure has remained high over Russia, central and south-western Europe, and depressions have been spreading gradually over the north-western countries from the Atlantic, bringing with them South-Westerly and Westerly winds, a considerable amelioration of temperature and rain. Within the high-pressure region, however, the weather has been cold and often foggy, while, still further to the southward (over and in the neighbourhood of Greece), there have been disturbances of little depth which have caused rains locally, and, at times, strong winds from the North-Eastward.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 296.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	2.5	?	5	?	EASTBOURNE	10.9	?	29	?
OSWALDKIRK (Yorkshire)	6.4	?	12	?	MANCHESTER (Oldham Road)	1.8*	?	4*	?
WORKSOP	3.1	- 3.9	6	- 8	TENBY	9.3*	?	17*	?
THURCASTON (Leicestershire)	5.0	- 0.2	10	- 1	NEWQUAY	7.5	?	13	?
MARGATE	10.4	?	19	?	TORQUAY	9.2*	?	16*	?
WESTBOURNE (Sussex)	9.7*	?	18*	?	ARLEY COTTAGE (County Cavan)	0.2	?	0	?
BRIGHTON	7.6	?	14	?	GUERNSEY	8.7*	?	15*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

By whom Subscriptions, payable in advance, can be received.

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Third Series.

WEEK ENDING SATURDAY, DECEMBER 22ND, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 302.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	25	45.4	35.3	40.5	2 above	Day-deg. 10	Day-deg. + 5	Day-deg. 27	Day-deg. - 4	Day-deg. 2341	Day-deg. + 372	Day-deg. 348	Day-deg. - 93
	1. SCOTLAND, EAST	52	23	43.8	33.6	38.9	2 above	5	0	32	- 7	2307	- 59	823	+ 9
	2. ENGLAND, N.E.	52	29	45.5	35.0	40.5	3 above	10	+ 3	29	- 4	2534	+ 66	567	- 113
	3. ENGLAND, EAST.	52	30	47.7	35.5	41.9	4 above	16	+ 9	29	- 11	3025	+ 97	603	- 103
	4. MIDLAND COUNTIES.	56	28	48.2	36.5	42.6	5 above	27	+ 19	15	- 24	2961	+ 89	605	- 180
	5. ENGLAND, SOUTH	52	29	49.2	38.2	43.9	4 above	29	+ 17	11	- 19	3381	+ 166	375	- 197
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	54	30	47.6	37.1	42.6	3 above	25	+ 16	14	- 13	2582	+ 115	443	- 117
	7. ENGLAND, N.W.	54	30	48.9	39.0	44.1	4 above	27	+ 17	8	- 20	2927	+ 253	363	- 188
	8. ENGLAND, S.W.	54	31	49.8	42.2	46.2	5 above	29	+ 13	0	- 21	3182*	+ 155	276	- 123
	9. IRELAND, NORTH	53	33	48.7	39.8	44.4	5 above	26	+ 15	6	- 19	2721	+ 82	442	- 64
	10. IRELAND, SOUTH	56	37	50.7	42.5	46.8	5 above	34	+ 15	0	- 21	3118	+ 102	282	- 115
	-CHANNEL ISLANDS	54	40	51.6	45.2	48.4	4 above	45	+ 19	0	- 6	3882	+ 344	97	- 32

DISTRICTS. (See p. 302.)		Rainfall.						Bright Sunshine.								
		For the Week.			From December 31st, 1893.			For the Week.				From December 31st, 1893.				
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of in. 27	10ths of ins. 14 more	227	- 13	Ins. 52.0	+ 2.3	2	- 2	4	- 5	1126	+ 115	31	+ 3
	1. SCOTLAND EAST	5	11	4 more	198	+ 2	33.8	+ 2.3	5	- 3	11	- 6	1291	+ 69	33	+ 2
	2. ENGLAND, N.E.	6	5	1 less	205	+ 22	25.4	- 1.2	12	+ 4	24	+ 19	1290	+ 84	30	+ 2
	3. ENGLAND, EAST.	6	5	0 (average)	200	+ 19	26.6	+ 0.7	7	- 3	14	- 7	1446	- 51	33	- 2
	4. MIDLAND COUNTIES.	6	6	0 (average)	192	+ 15	27.0	- 1.5	15	+ 7	28	+ 13	1316	- 2	30	0
	5. ENGLAND, SOUTH	4	5	1 less	192	+ 19	31.8	+ 4.2	13	+ 4	24	+ 7	1564	- 19	24	0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	19	7 more	212	+ 6	49.1	- 1.0	12	+ 5	24	+ 11	1350	+ 46	31	+ 1
	7. ENGLAND, N.W.	6	14	6 more	206	+ 13	35.6	+ 0.6	8	+ 3	17	+ 7	1224	+ 58	31	+ 1
	8. ENGLAND, S.W.	6	12	2 more	208	+ 7	44.2	+ 3.9	15	+ 5	29	+ 10	1602	- 6	26	0
	9. IRELAND, NORTH	6	13	5 more	228	+ 3	37.6	+ 1.9	9	+ 1	19	+ 2	1257	+ 59	29	+ 1
	10. IRELAND, SOUTH	5	13	4 more	207	+ 1	42.9	+ 4.5	11	0	21	0	1360	- 69	31	- 2
	-CHANNEL ISLANDS	6	7	2 less	216	+ 1	38.1	+ 4.3	11	- 1	20	- 1	1753	- 60	41	- 2

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather continued very unsettled over the Kingdom generally, with frequent rain, heavy at times in the west and north, and occasional intervals of bright sunshine. Very stormy conditions prevailed over the whole of the Kingdom on Saturday.

Temperature fluctuated very much, but the range was not very great for the time of year. The average daily readings, however, were above the mean, the excess ranging from 2° in Scotland N. and E., to 5° over the Midland Counties, England S.W., and Ireland. The highest of the maxima were registered either on the 17th or 21st, and ranged from 56° in the Midland Counties and Ireland S. to 52° in our eastern districts and England S. The lowest of the minima occurred on the 17th at most of the northern stations, and on the 21st in the more southern districts; they varied from 23° in Scotland E. and 25° in Scotland N. to 33° in Ireland N., 37° in Ireland S., and 40° in the Channel Islands.

Rainfall was rather less than the mean in England N.E. and S., as well as in the Channel Islands, and just equal to the normal in England E. and the Midland Counties. Elsewhere there was an excess, especially in the north-west and north.

Bright Sunshine. was fairly prevalent, and exceeded the mean in most parts of England and Ireland and also in the west of Scotland. The percentage of the possible duration ranged from 29 in England S.W. and 28 in the Midland Counties, to 14 in England E., 11 in Scotland E., and 4 in Scotland N.

Barometer and Wind.—During the greater part of the week depressions appeared in the north-west or north, and, moving eastwards or south-eastwards, caused strong winds or slight gales from between South-West and North-West over all the more western and northern parts of the Kingdom. These were followed, on the night of the 21st, by an exceedingly deep depression which passed eastwards across Scotland, and produced very strong gales from between South-West and North-West in all parts of our Islands and their immediate neighbourhood. Over the north of Ireland, the greater part of Scotland, and the northern half of England, the gales were of unusual violence. The changes in pressure, both in the front and rear of this disturbance, were extremely rapid.

II.—DATA from which the SUMMARY on page 301 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	30	43.9	36.0	40.1	+1.1	5	23	7	3.25	+2.30	*	*	*
	Stornoway	49	32	46.4	35.7	41.3	+2.5	12	27	7	2.28	+1.02	4.0	-2.0	9
	Wick	47	25	44.4	34.0	39.4	+2.0	7	31	7	1.15	+0.45	*	*	*
	Glencarron	50	30	44.4	33.4	39.1	+1.9	7	33	7	4.56	+2.41	*	*	*
	Fort Augustus	51	31	45.2	35.2	40.4	+2.5	9	27	7	2.23	+1.18	0.0	?	0
1. SCOTLAND, E.	Fort William	54	32	48.0	37.4	42.9	+3.7	26	13	7	2.81	+0.73	1.8	?	4
	Nairn	48	26	45.1	33.7	39.6	+2.1	9	33	7	0.54	+0.10	*	*	*
	Aberdeen	49	30	44.1	35.7	40.1	+3.0	6	25	6	1.00	+0.28	5.8	-3.0	13
	Braemar	46	23	40.7	30.3	35.7	+1.5	0	44	5	2.04	+1.38	4.3†	?	10†
	Ochertyre	50	28	44.0	33.6	39.0	+2.9	6	32	6	1.49	+0.54	*	*	*
2. ENGLAND, N.E.	Leith	52	32	46.7	35.9	41.5	+2.6	13	26	5	0.59	+0.18	*	*	*
	Marchmont	48	29	42.4	32.1	37.5	+1.3	1	37	2	0.85	+0.15	2.3	?	5
	Alnwick Castle	47	30	43.9	35.9	40.1	+2.5	5	24	7	0.76	+0.06	*	*	*
	Durham	50	29	45.4	32.3	39.1	+2.2	10	38	6	0.44	-3.21	13.2	+3.8	28
	Shields	48	31	45.4	33.9	39.9	+1.5	10	32	5	0.28	-0.32	*	*	*
3. ENGLAND, E.	Scarborough	52	30	46.4	35.1	41.1	+3.8	12	28	6	0.50	0.00	11.1	+5.4	22
	York	49	35	46.4	37.6	42.2	+3.4	20	12	7	0.56	+0.08	*	*	*
	Spurn Head	50	31	46.8	35.2	41.7	+4.8	13	25	6	0.60	+0.08	5.8	-2.4	11
	Hillington	50	32	47.1	35.0	41.3	+3.5	14	30	7	0.60	0.00	7.1	-3.5	13
	Yarmouth	51	31	47.6	35.7	41.9	+4.0	16	28	6	0.51	+0.03	5.0	-4.0	9
4. MIDLAND COUNTIES	Geldeston	52	31	49.0	34.9	42.2	+5.0	31	20	3	0.22	-0.18	11.8	?	22
	Cambridge	51	30	48.2	35.6	42.2	+4.9	28	18	6	0.50	-0.07	*	*	*
	Rothamsted	51	30	48.2	35.6	42.2	+4.9	28	18	6	0.50	-0.07	*	*	*
	Bawtry (Hesley Hall)	51	30	46.9	36.3	41.8	+4.6	14	25	5	0.55	+0.03	*	*	*
	Loughborough	52	28	48.3	35.9	42.4	+4.9	28	17	5	0.46	-0.06	*	*	*
5. ENGLAND, S.	Stamford (Ketton Hall)	51	29	47.9	34.9	41.7	+4.7	17	31	6	0.34	-0.18	*	*	*
	Cheadle	50	31	47.1	35.3	41.4	+5.0	14	28	6	0.96	+0.24	13.9	+5.6	27
	Churchstoke	53	29	49.0	36.3	42.9	+5.0	30	16	7	0.97	+0.29	*	*	*
	Hereford	55	30	48.5	38.7	43.8	+5.6	26	9	5	0.45	-0.07	16.6	+7.9	31
	Cirencester	56	28	48.9	36.6	43.0	+5.8	30	15	6	0.57	-0.08	19.6	+11.4	37
6. SCOTLAND, W.	Oxford	51	31	48.7	37.7	43.4	+5.2	28	12	4	0.30	-0.17	*	*	*
	London	52	31	49.0	37.1	43.3	+4.3	30	14	4	0.52	+0.03	8.8†	+4.4†	17†
	North Foreland	51	35	48.3	37.3	43.0	+3.5	27	13	4	0.28	?	*	*	*
	Strathfield Turgiss	51	29	48.6	34.0	42.0	+4.4	18	20	4	0.41	-0.07	*	*	*
	Dungeness	51	33	49.4	38.3	44.1	+4.1	30	10	3	0.20	-0.48	*	*	*
7. ENGLAND, N.W.	Hastings (St. Leonards)	52	34	49.3	38.8	44.3	+4.4	30	9	3	0.69	+0.03	14.8	+2.2	27
	Southampton	?	30	50.8	38.8	45.0	+5.1	34	9	5	0.68	-0.03	15.4	+4.7	29
	Hurst Castle	52	33	50.1	41.9	46.2	+5.3	30	0	4	0.30	-0.34	*	*	*
	Stowell	51	29	48.1	38.3	43.4	+5.0	25	10	6	0.66	?	*	*	*
	Laudale (Loch Sunart)	54	36	48.3	38.1	43.4	+3.5	26	11	7	2.76	+0.68	*	*	*
8. ENGLAND, S.W.	Glasgow	51	32	45.9	35.9	41.1	+3.1	11	25	6	1.52	+0.62	16.0	+6.5	21
	Arrossan	50	34	47.7	38.0	43.0	+2.9	24	11	5	0.72	-0.13	*	*	*
	Glenlee	51	30	47.4	33.0	40.5	+3.3	15	37	7	3.05	+1.65	13.7	+4.2	27
	Douglas (Isle of Man)	52	38	48.7	40.5	44.8	+3.8	23	4	7	1.47	+0.56	10.7	+4.5	21
	Stonyhurst	49	31	47.0	34.8	41.1	+3.6	14	30	5	2.59	+1.58	10.7	+4.5	21
9. IRELAND, N.	Blackpool	50	30	49.2	34.5	42.1	+4.7	32	21	7	1.83	+1.03	10.3	?	21
	Manchester (Prestwich)	54	38	48.4	41.3	45.0	+5.4	24	2	7	0.72	+0.14	8.0	+2.3	16
	Liverpool Obs. (Bidston)	54	40	50.7	42.1	46.6	+5.0	32	0	6	1.01	+0.31	*	*	*
	Llandudno	53	41	49.1	42.4	45.9	+3.1	27	0	7	0.97	+0.12	*	*	*
	Holyhead	52	31	48.1	39.0	43.7	+3.0	25	8	7	1.90	+0.68	*	*	*
10. IRELAND, S.	Pembroke	52	41	50.3	45.0	47.8	+4.2	41	0	6	0.85	-0.05	10.2	-0.3	19
	Bristol (Montpelier)	53	33	49.1	41.4	45.4	+6.0	26	2	5	1.34	+0.64	*	*	*
	Arlington (N. Devon)	51	39	48.0	41.1	44.7	+4.4	23	3	7	2.06	+0.80	*	*	*
	Cullompton	54	32	50.3	40.8	45.7	+6.4	31	3	6	0.60	-0.18	18.3	+10.4	34
	Falmouth	53	41	51.1	44.2	47.8	+3.9	41	0	7	0.97	-0.23	13.4	+7.0	35
CHANNEL ISLANDS	Plymouth	53	39	51.3	43.1	47.4	+5.4	38	0	6	0.81	-0.09	14.1	+2.6	26
	Prawle Point	52	39	50.3	42.9	46.8	+4.5	34	0	5	0.91	+0.06	*	*	*
	Malin Head	50	38	47.7	40.7	44.3	+4.7	22	4	6	1.15	?	*	*	*
	Londonderry	53	33	48.9	39.3	44.3	+4.9	27	8	7	?	?	*	*	*
	Edenfel (Omagh)	51	36	48.4	38.3	43.6	+5.8	27	10	7	1.41	+0.61	*	*	*
9. IRELAND, N.	Belmullet	52	39	49.9	42.3	46.3	+2.6	30	0	7	2.44	?	*	*	*
	Markree Castle	53	37	50.1	41.5	46.0	+7.3	30	1	7	1.54	+0.74	5.8	-2.6	12
	Brookeborough	52	36	48.6	38.8	43.9	+6.7	27	9	6	1.40	+0.50	*	*	*
	Armagh	52	35	48.5	38.8	43.8	+5.7	26	9	7	0.84	+0.21	11.6	+3.6	23
	Donaghadee	50	36	47.3	39.9	43.8	+2.8	21	6	5	0.90	+0.26	*	*	*
10. IRELAND, S.	Edgeworthstown	52	36	48.7	33.9	44.0	+6.0	27	9	6	0.82	+0.13	*	*	*
	Dublin	54	37	50.8	41.1	46.1	+5.2	32	3	4	0.41	-0.11	16.2	+5.4	32
	Parsonstown	53	37	49.0	39.4	44.4	+5.4	28	7	5	1.09	+0.39	9.0	-1.0	18
	Kilkenny	52	38	49.0	40.4	44.9	+4.9	27	4	5	1.15	+0.43	*	*	*
	Roche's Point	54	42	51.0	44.1	47.7	+4.2	40	0	4	1.11	-0.01	*	*	*
CHANNEL ISLANDS	Valencia	54	43	52.0	45.1	48.7	+3.9	47	0	6	1.11	-0.25	7.6	-3.2	14
	Killarney	56	41	52.0	44.3	48.3	+5.9	44	0	7	2.17	?	*	*	*
	Foynes	56	41	51.1	43.2	47.3	+6.4	37	0	7	1.66	?	*	*	*
	Scilly (St. Mary's)	54	45	51.4	45.7	48.7	+2.2	47	0	5	0.45	-0.45	12.6	?	23
	Jersey	54	40	51.7	44.6	48.3	+5.1	44	0	6	0.97	+0.12	12.4	-0.8	22

Stations marked $\mathcal{R}$ are in connection with the Royal Meteorological Society, and those marked $\mathcal{S}$ with the Scottish Meteorological Society.

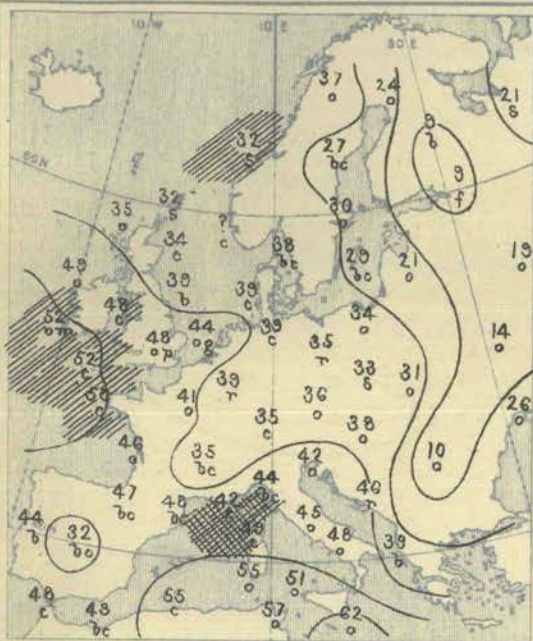
* An asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 16th December.

Temperature and Weather.

8 a.m.

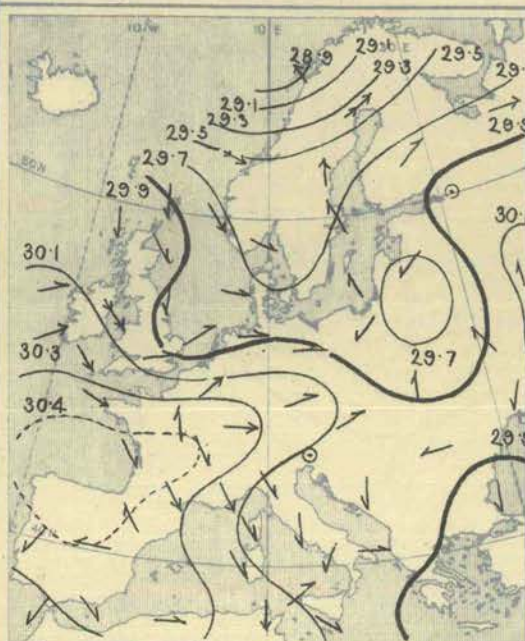


Weather in morning fine over the south of Scotland and the northern parts of Ireland and England; cloudy in most other parts of the United Kingdom, with rain in the south, and with snow in the Shetlands. Fine over southern Europe generally, but cloudy in the north-east of France, and snow at Archangel, Christiansund, Copenhagen, and Cracow. Weather improving later in the south of England, but showers of cold rain or sleet falling in the north; rain falling in Germany, and snow at some of the Scandinavian stations.

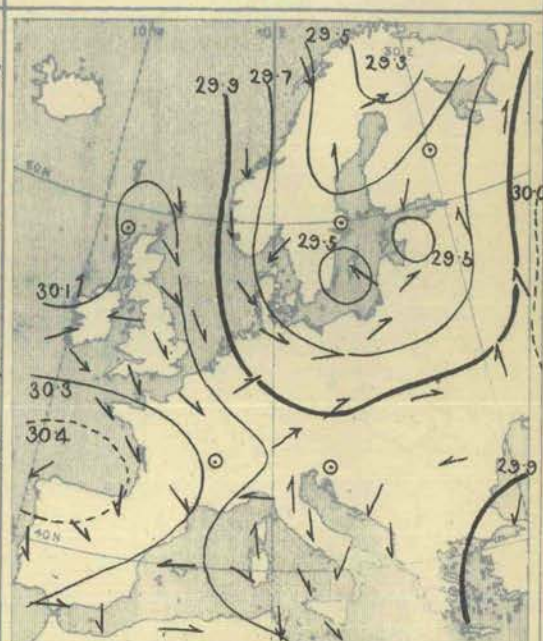
Temperatures risen in the west and south of our Islands, as well as in Italy, Austria, and the south of Russia, fallen in most other regions. Morning readings highest, 62° at Malta; above 50° over the central and southern parts of the Mediterranean generally, as well as in the extreme south-west of our Islands. Lowest, 9° at Kuopio and St. Petersburg, 10° at Hermanstadt; below the freezing point over Russia and Scandinavia generally. Rising during day to 50° and upwards at most of the English and Irish stations, but remaining below 40° in some parts of Scotland; frost over the northern and central parts of our Islands at night.

Barometer and Wind.

8 a.m.



6 p.m.



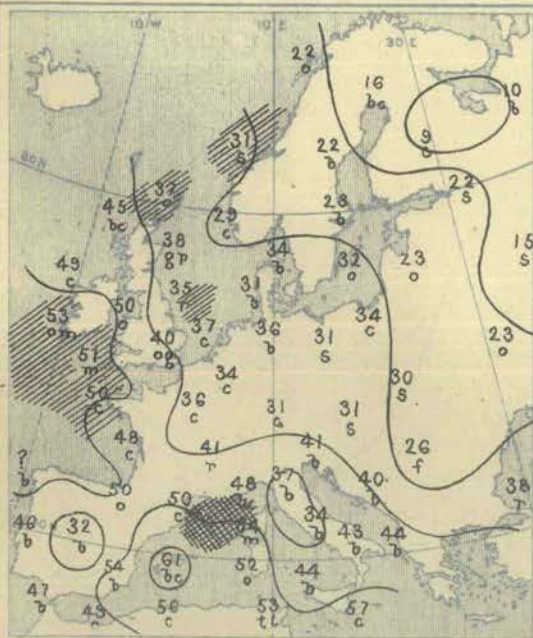
Wind light from the Northward or North-Westward over the northern parts of the United Kingdom, and strong to a gale from the North-Westward in the west of Norway. Fresh to strong from the Westward or South-Westward over the southern parts of our Islands, the Netherlands, and north of France, light Westward over Germany, Southerly or South-Easterly in Sweden and Russia. Northerly or North-Westerly in Italy and the south of France, North-Easterly or Easterly over the Spanish Peninsula. Subsequently backing to the Southward on our extreme north-west coasts, but veering to the North-Westward in the south of our Islands.

Barometer highest, 30.4 ins. and upwards in an anticyclone over central Spain and the southern parts of France and the Bay of Biscay; 30.1 ins. and upwards over central Russia. Lowest, 29.8 ins. and less in a deep depression off the north-west of Norway; 29.7 ins. and less in another disturbance over Poland, 29.9 ins. and less in a shallow area over Greece and Turkey. Further depressions approaching the north-west of our Islands later. Norwegian depression moving eastwards to Lapland.

Monday, 17th December.

Temperature and Weather.

8 a.m.

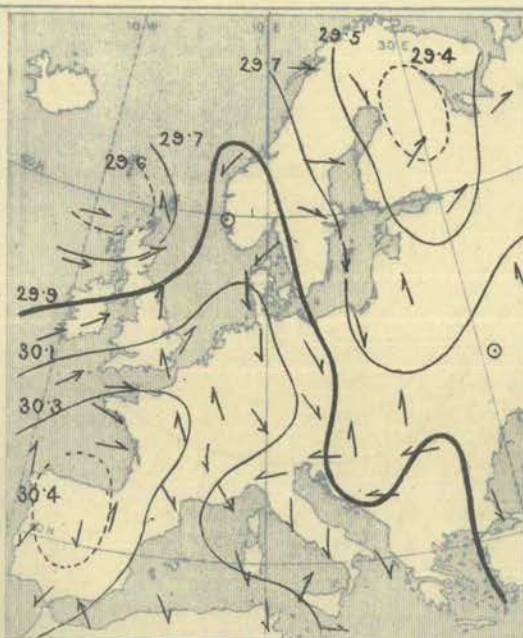


Weather in morning cloudy and rainy over the United Kingdom, fine on our extreme north west coasts. Fine in Scandinavia and Denmark, as well as over the greater part of southern Europe; cloudy in the eastern and central countries, with snow in nearly all parts of Germany, Poland, and Russia. Rain falling later in nearly all parts of the United Kingdom, heavily in the south of Ireland.

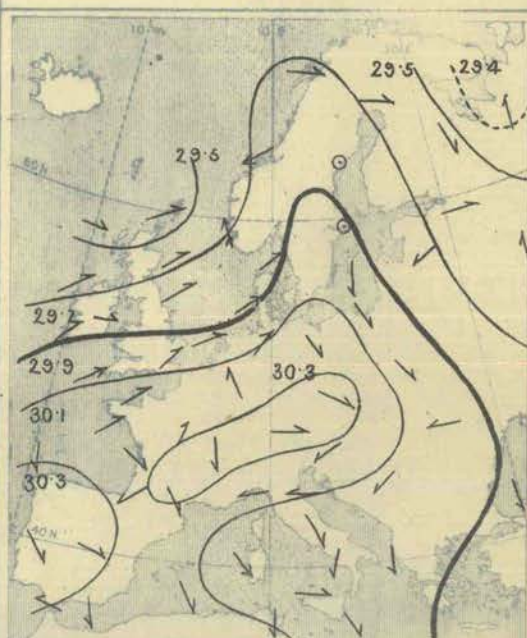
Temperature risen in the west and north of our Islands, as well as in Russia and the south of France, fallen in most other localities. Morning readings highest, 61° at Palma, and above 50° at several of the Mediterranean stations, as well as in the extreme south-west of our Islands. Lowest, 9° at Kuopio, 10° at Archangel, 12° at Hangö and Helsingfors; below the freezing point in most parts of northern, eastern, and central Europe. Rising during day to between 50° and 54° at most of the English and Irish stations, and exceeding 60° in the southern parts of Spain and Italy.

Barometer and Wind.

8 a.m.



6 p.m.



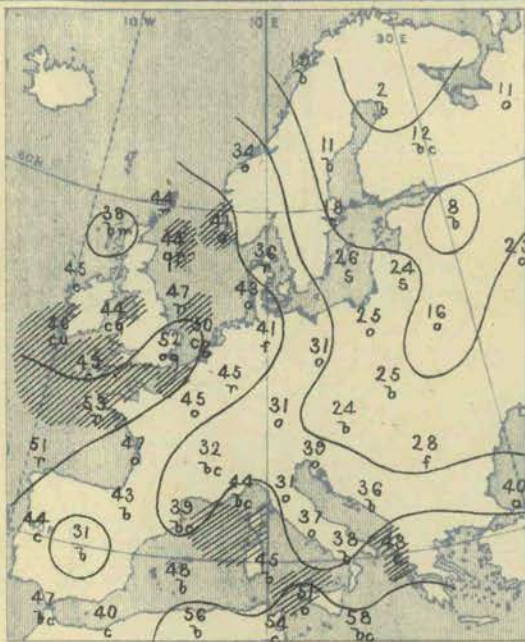
Wind moderate to fresh from the South-Westward in the west of our Islands, and from the Southward over the eastern parts of Great Britain. Moderate to strong from the North-Westward or Northward over the greater part of central and southern Europe; variable or light from the Southward over Austria and the south of Russia, Southerly also in the south of Spain. Subsequently veering to the South-Westward in the east of our Islands, but inclined to back on our western coasts.

Barometer highest, 30.4 ins. and upwards over Spain, 30.1 ins. and upwards in an anticyclone covering Spain, Algeria, France, the Netherlands, and the south and east of England. Lowest, 29.4 ins. and less in a depression over Finland; 29.6 ins. and less in another disturbance off the north of Scotland; 30.0 ins. and less in a shallow system over the Gulf of Genoa. Small secondary disturbances passing eastwards across our Islands during day; larger depression beginning to approach our western coasts in evening.

Tuesday, 18th December.

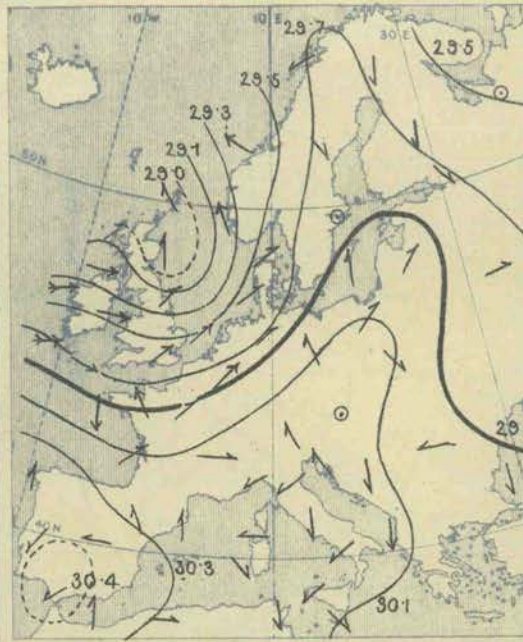
Temperature and Weather.

8 a.m.

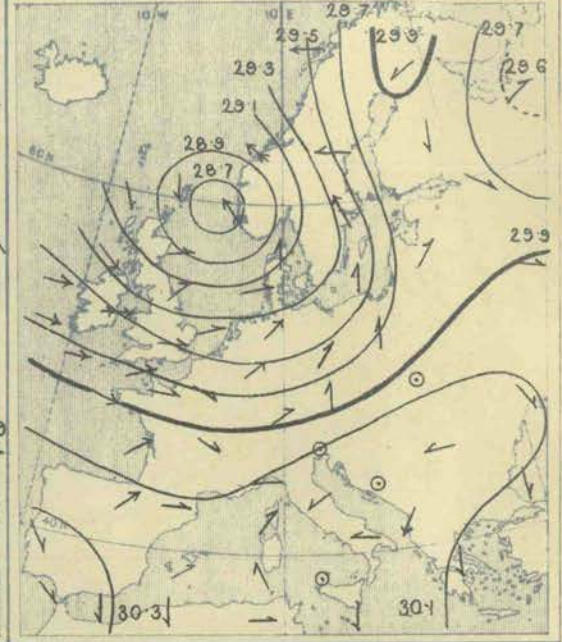


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or overcast in nearly all parts of north-western, central, and eastern Europe, with rain in many places, and with snow over the south of Sweden and the Baltic Provinces. Fine and bright over Finland and the north of Scandinavia, as well as over the Spanish Peninsula and the southern parts of France and Italy. Some improvement taking place over our Islands later, but weather remaining showery, with hail in the west. Lightning seen at night on some parts of our south-west coasts, and a lunar halo at Dungeness.

Temperature risen quickly over the eastern parts of Great Britain and the neighbouring portions of the Continent. Morning readings highest, 58° at Malta, 56° at Algiers, and 54° at Sfax; slightly above 50° in the south of England and the north-west of France. Lowest, 2° at Haparanda and Uleaborg, 8° at St. Petersburg, and 11° at Archangel and Hernösand; below the freezing point in most parts of northern, eastern, and central Europe, as well as over northern Italy and central Spain. Brisk fall later over the eastern parts of our Islands; thermometer rising to 55° and upwards in France and to 60° and upwards in the south of Spain.

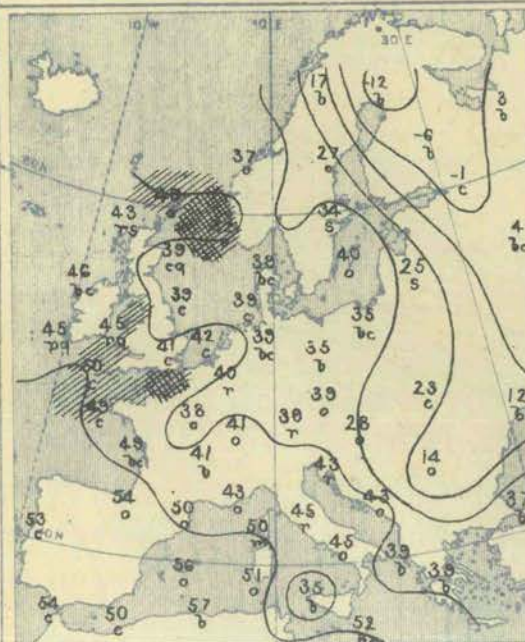
Wind very strong from the Westward on our western coasts, with a gale in the west of Ireland; fresh or strong from the South-Westward on the eastern parts of Great Britain, as well as in the Netherlands, Denmark, and the north of France; light to moderate from the Southward in the north of Scotland; strong from the South-Eastward in Norway. Light North-Westerly in Russia; variable in Austria; Northerly or North-Easterly over southern Europe generally. Subsequently shifting to the Northward in the north of Scotland; fresh Westerly gale blowing in the Irish Sea and the St. George's Channel. South-Easterly gales springing up on the Norwegian coasts.

Barometer highest, 30.4 ins. in the south of Spain; 30.1 ins. and upwards in an anticyclone covering the greater part of central and southern Europe. Lowest, 29.0 ins. and less in a well-marked depression over the north and east of Scotland (gradients rather steep over north-western Europe generally); 29.5 ins. and less in a shallow system over the extreme north of Russia. Depression over Scotland subsequently moving slowly eastwards, barometer rising in most parts of our Islands, but falling rapidly in Scandinavia.

Wednesday, 19th December.

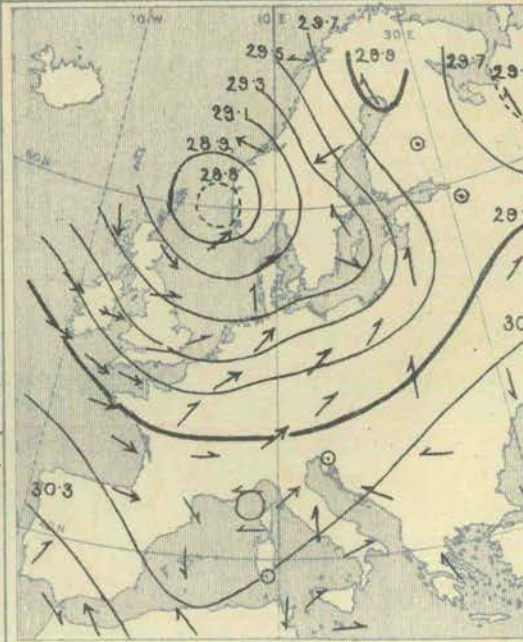
Temperature and Weather.

8 a.m.

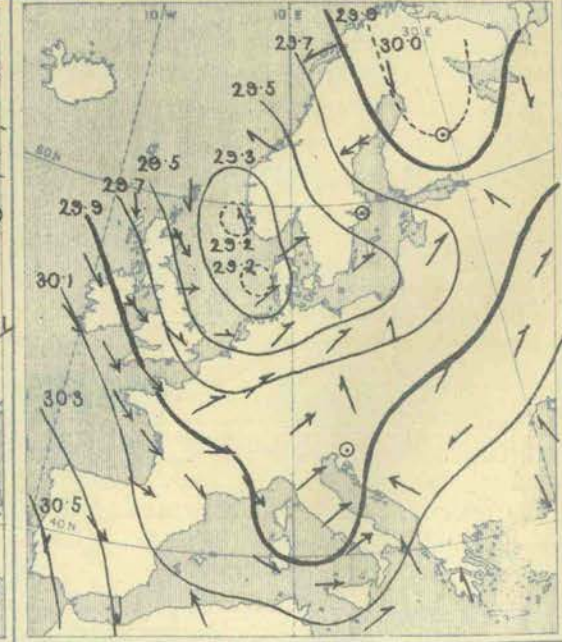


Barometer and Wind.

8 a.m.



6 p.m.



Weather changeable and showery over our Islands and the neighbouring parts of the Continent, with sleet at Stornoway, hail at Malin Head and Jersey. Fine over the north of Scandinavia and the greater part of Russia, but snow falling at many of the Baltic stations; cloudy in most of the central and southern countries, with rain at Munich and Rome. Hail showers falling during day in many parts of the United Kingdom, and steady rain in Denmark, Germany, and France. Snow falling at several of the Russian and Austrian stations. Lightning seen at night at Prawle Point and Jersey.

Temperature fallen quickly in Russia and the north of Sweden, and rather considerably over the eastern and southern parts of our Islands, risen in most other localities. Morning readings highest, 57° at Algiers, 56° at Palma, and 54° at Biarritz and San Fernando; above 45° on our own south-west coasts. Lowest, -12° Fahr. at Haparanda, -6° at Uleaborg and Knopio, -1° at St. Petersburg, and +1° at Kharkov; considerably below the freezing point in Austria and the north of Scandinavia. Rising during day to 45° and upwards in most parts of the United Kingdom, exceeding 50° in the Channel Islands.

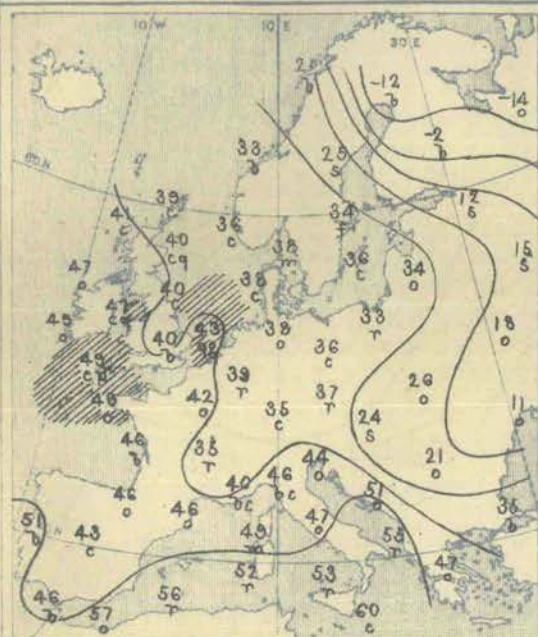
Wind strong from the North-Westward on all the western coasts of our Islands and France, with a gale at Holyhead; moderate from the Westward on our east and south-east coasts. South-Westerly over Denmark, Germany, the Netherlands, and the south of Norway; Easterly or South-Easterly in the more northern parts of Scandinavia. Variable in Austria and the south of Russia; Southerly or South-Westerly in Italy, South-Easterly in Algeria. North-Westerly winds spreading later to all parts of our Islands, and increasing to a strong gale at Aberdeen and Holyhead. Easterly gales setting in over Finland and central Sweden.

Barometer highest, 30.3 ins. and upwards over the southern parts of the Spanish Peninsula; 29.9 ins. and upwards in Lapland. Lowest, 28.8 ins. and less in a depression off the south-west of Norway (gradients rather steep over north-western Europe generally); 29.6 ins. and less in a shallow system over northern Russia. Barometer rising during day in all the more western countries, quickly in the north; Norwegian depression moving rapidly southwards at night across the eastern parts of the North Sea.

Thursday, 20th December.

Temperature and Weather.

8 a.m.

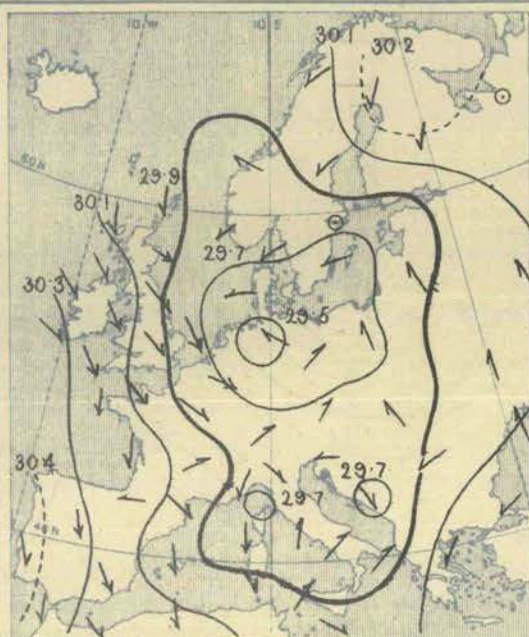


Weather in morning fine over the greater part of our Islands, but with showers in a few places. Fine in the north of Scandinavia and also in the southern parts of France and Spain; cloudy or overcast in all other parts of the Continent, with rain at many of the Belgian, French, German, and Italian stations, and with snow over central Sweden and the Gulf of Finland, as well as at Barda-Pesth. Showers falling during day in many parts of the United Kingdom; and steady rain at some stations in the south of France.

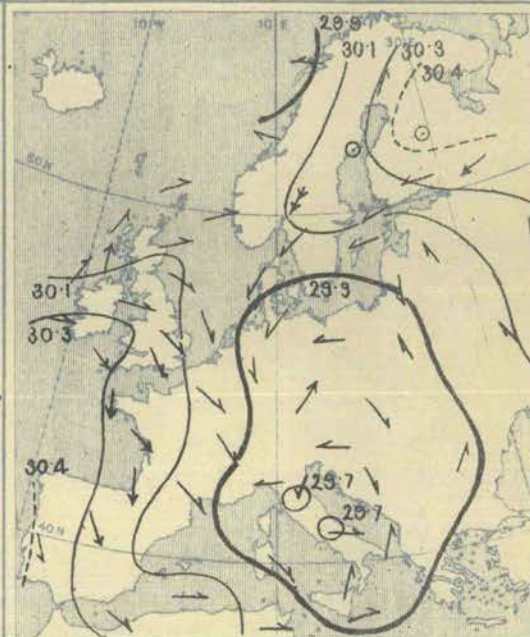
Temperature fallen in most of the western and central countries, but risen in Russia, Austria, and Italy. Morning readings highest, 60° at Malta, 57° at Nemours, 56° at Algiers, and 55° at Brindisi; above 45° at several of our own western stations. Lowest, -14° Fahr. at Archangel, -12° at Haparanda, and -2° at Ulenborg and Kuopio; below the freezing point in most parts of northern and eastern Europe. Daily maxima below 45° at several of our own northern and eastern stations, but thermometer reaching 50° on our south-west coasts, and exceeding that point in the west and south of France. Frost occurring over the northern and central parts of Great Britain at night.

Barometer and Wind.

8 a.m.



6 p.m.



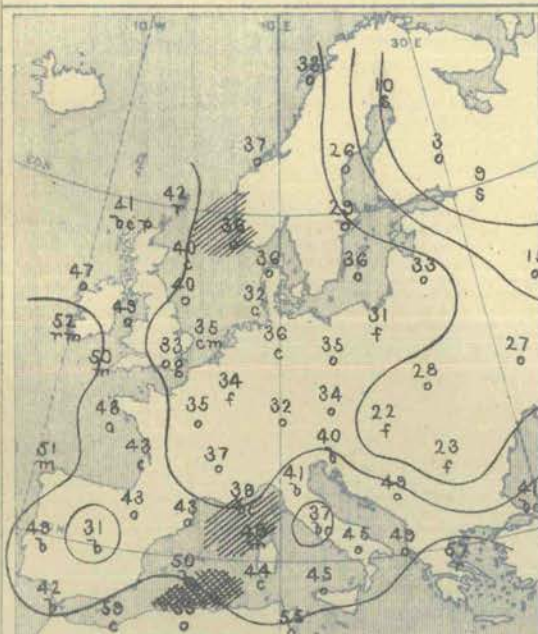
Wind moderate to strong from the North-Westward over our Islands and the greater part of France and Spain, South-Westerly in Germany; Easterly or North-Easterly over Scandinavia, Finland, and Denmark, with a gale at Faerder. Light from the South-Eastward over Russia; variable in Austria, Southerly or South-Westerly in Italy. Subsequently backing to the South-Westward in Scotland and the north of Ireland; North-Westerly wind falling light on the English coasts.

Barometer highest, 30.4 ins. and upwards in Portugal; 30.2 ins. and upwards over Lapland. Lowest, 29.5 ins. and less in a depression lying over north Germany; 29.7 ins. and less in three small disturbances lying respectively over Dalmatia, northern Italy, and the Gulf of Genoa. German depression subsequently moving south-eastwards and filling up; new disturbance beginning to approach our extreme north-western coasts in evening.

Friday, 21st December.

Temperature and Weather.

8 a.m.

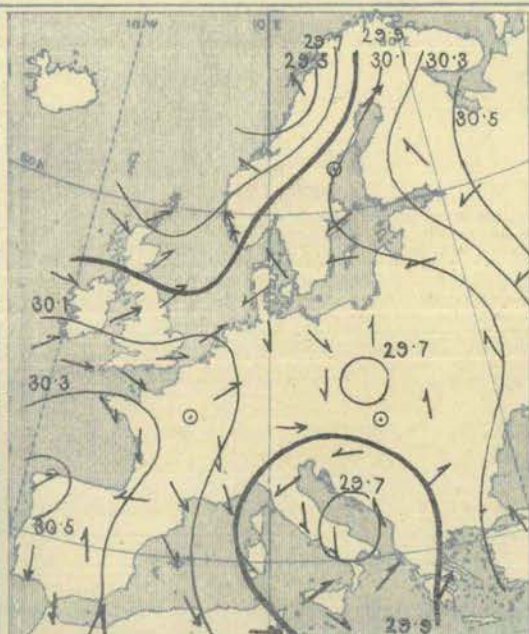


Weather cloudy or overcast in most parts of our Islands and the Continent, with rain at several of our own western and extreme northern stations, fog in many parts of Germany and Austria, and snow at Haparanda, St. Petersburg, and Breslau. Rain reported in Greece and a thunderstorm at Malta. Fine over the Spanish Peninsula, the south of France, and northern Italy. Rain falling during day in nearly all parts of western Europe, heavily at some of the Irish stations. Snow falling at Aumale.

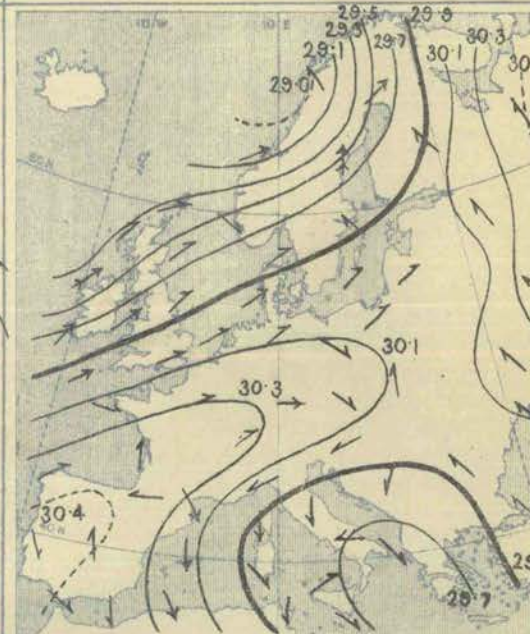
Temperature risen in all the more western and northern parts of our Islands, and also on the Norwegian coasts, but fallen elsewhere. Morning readings highest, 59° at Oran, 57° at Athens, and 55° at Patras, Algiers, Sfax and Malta; above 50° in the extreme south-west of our Islands. Lowest, 0° zero at Ulenborg, 3° at Kuopio, 9° at St. Petersburg, and 11° at Kharkov, considerably below the freezing point over the whole of Russia and Austria. Rising quickly over England during day, and reaching a maximum of 50° and upwards during the evening or ensuing night; exceeding 50° in the west and south of France, and exceeding 60° at Oporto and Palermo.

Barometer and Wind.

8 a.m.



6 p.m.



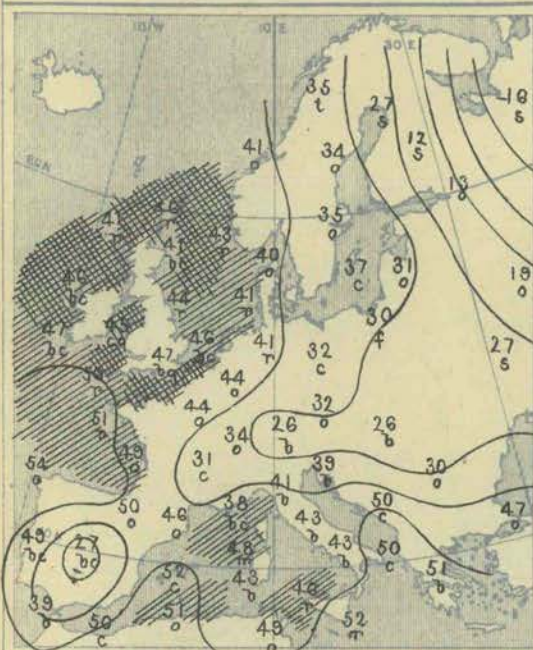
Wind light to moderate from the Westward or South-Westward over the greater part of our Islands, but North-Westerly in the north of Scotland; South-Easterly on the Norwegian coasts, with a gale at Skudensnes. Light from the Eastward or South-Eastward in Russia, variable in Austria, light to fresh from the Northward over the greater part of Germany, France, Spain, and Italy. Subsequently backing to the Southward or South-Westward over the whole of our Islands, and increasing to a strong gale at night. Southerly gales setting in at some of the Scandinavian stations.

Barometer highest, 30.4 ins. and upwards in a large anticyclone over Russia, and also in a smaller system over the Spanish Peninsula. Lowest, 29.5 ins. and less in a rather deep depression off the west of Norway; 29.7 ins. and less in a shallow system over Italy. Deep disturbance appearing later off our extreme north-west coasts, and barometer falling rapidly over the northern parts of the United Kingdom. Italian depression moving south-eastwards.

Saturday, 22nd December.

Temperature and Weather.

8 a.m.

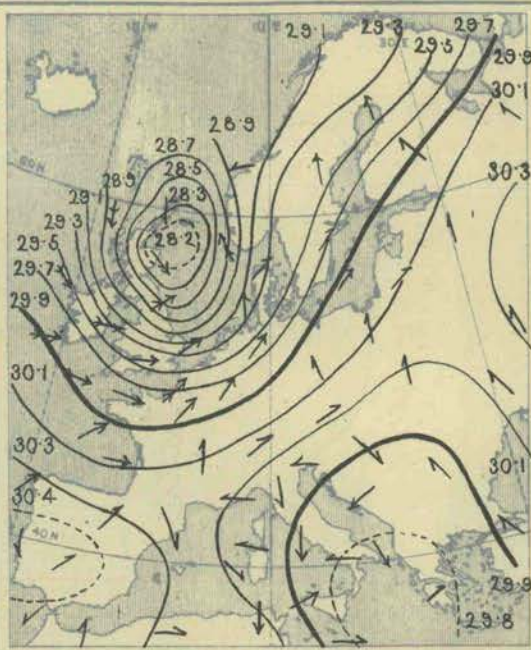


Weather in morning exceedingly rough and squally over the whole of north-western Europe, with rain over the northern parts of Great Britain, as well as in Denmark, the south of Norway, the Netherlands, and the north of France, and with showers in many other places. Fine over southern Europe, but dull in all the northern, eastern, and central countries; snow falling over northern Russia, and also at Kiev, and a thunderstorm reported at Bodö. Weather improving later in the north of our Islands, but rain falling in most parts of northern and central Europe.

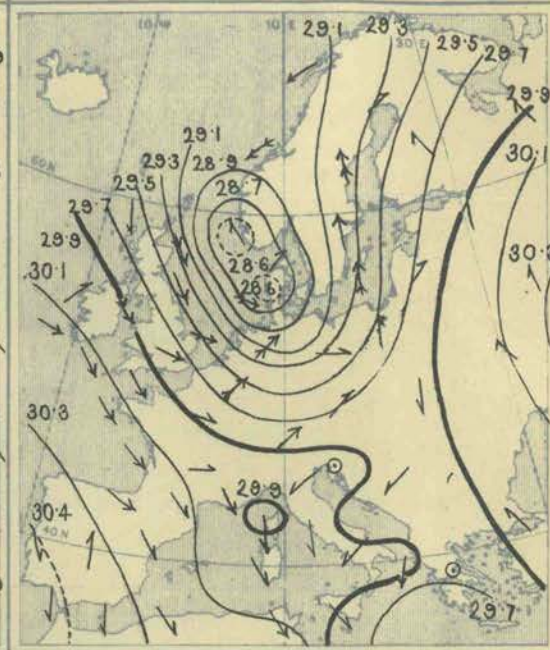
Temperature fallen in the west and north of our Islands, as well as in Germany and Italy, risen in most other countries. Morning readings highest, 54° at Corunna, and 52° at Palma and Malta, and as high as 50° in the Scilly and Channel Islands. Lowest, -16° Fahr. at Archangel, +12° at Kuopio, 13° at St. Petersburg, and 15° at Kharkov; below the freezing point over Germany, Austria, and the central parts of France and Spain. Daily maxima above 45° in most parts of the United Kingdom; above 50° in the west and south of France, as well as in many parts of Spain and Italy. Ground frost occurring over Great Britain at night.

Barometer and Wind.

8 a.m.



8 p.m.



Wind blowing a gale from North-West on our western and northern coasts generally, but from North in the extreme north of Scotland; from West over England, from South-West over the Netherlands and north Germany, and from South in the south of Norway; gale very severe over the northern parts of England and Ireland. Moderate to strong from the Southward in Sweden, light from the same quarter in Russia, North-Easterly or Northerly in Italy; variable over the Spanish Peninsula and the south of France. Gale subsiding later on our western and northern coasts, but continuing in the south-east of England, as well as in Holland and Germany.

Barometer highest, 30.4 ins. and upwards over Portugal and central Spain. Lowest, 28.2 ins. in a very deep depression having its centre off the north-east of Scotland; gradients steep over north-western Europe generally, and exceptionally steep over the North Sea and the northern parts of our Islands. Depression subsequently moving eastwards across the North Sea; barometer rising excessively fast in Scotland, but falling briskly over the northern parts of the Continent.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows: —b = blue sky; —c = detached clouds; —o = overcast; —m = misty (hazy); —f = foggy; —q = squally; —r = rain; —h = hail; —s = snow; —l = lightning; and —t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria, and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week, when an anticyclone extended from the Spanish Peninsula across central and southern Europe, the weather in the north-western and northern countries was influenced by a well-marked and rather deep depression which skirted the north of Scotland on the 17th and 18th. Westerly to North-Westerly winds of increasing strength were general over our Islands, with gales at some of the northern and north-western stations, and with mild changeable weather in all districts. After the 18th the anticyclone receded southwards, and on the 19th, the northern depression, which had now reached the south-west of Norway, began to travel southwards, the system ultimately passing across central Europe and gradually filling up. A new high-pressure area now spread over the western parts of our Islands from the Atlantic, and the wind in all the more western countries veered to the Northward, with a temporary change to finer and colder weather.

On the 21st, however, a large depression appeared off the north-west of Norway, while, in the course of the ensuing night, a new disturbance of exceptional intensity advanced directly across Scotland and occasioned severe South-Westerly to North-Westerly gales in nearly all parts of the United Kingdom, the gales being especially violent in the northern districts. The barometrical changes which occurred in the north during the progress of this disturbance were remarkably abrupt; at Forquandenny (Perth), between 4 p.m. on the 21st and 8 p.m. on the 22nd, the mercury alternately fell and rose to the extent of 1.65 ins., the change occurring in each case in the space of 14 hours. At the close of the week the depression was passing away to Scandinavia and becoming shallower, and the gales on our coasts were, therefore, subsiding, with finer weather.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 302.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	7.2	?	15	?	EASTBOURNE	14.7	?	27	?
OSWALDKIRK (Yorkshire)	11.4	?	23	?	MANCHESTER (Oldham Road)	4.4*	?	9*	?
WORKSOP	13.3	+ 5.9	26	+12	TENBY	15.2*	?	29*	?
THURCASTON (Leicestershire)	8.9	+ 3.9	17	+ 7	NEWQUAY	11.6	?	21	?
MARGATE	6.1	?	11	?	TORQUAY	22.1*	?	40*	?
WESTBOURNE (Sussex)	16.7*	?	31*	?	ARLEY COTTAGE (County Cavan)	10.8	?	23	?
BRIGHTON	13.5	?	25	?	GUERNSEY	7.8*	?	14*	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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Third Series.

WEEK ENDING SATURDAY, DECEMBER 29TH, 1894.

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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 20 years' observations (1871-90). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the ten years 1881-90. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the twenty-five years 1866-90, but the *Mean numbers of Rainy Days* are those for the ten years 1881-90 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the ten years 1881-90.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

DISTRICTS. (See p. 308.)		Temperature of the Air.													
		Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
		Highest.	Lowest.	Averages of				For the Week.				From December 31st, 1893.			
				Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	26	45.6	36.5	41.2	3 above	Day-deg. 10	Day-deg. + 4	Day-deg. 23	Day-deg. - 9	Day-deg. 2251	Day-deg. + 376	Day-deg. 571	Day-deg. - 102
	1. SCOTLAND, EAST	54	26	44.6	34.5	39.8	3 above	7	+ 1	30	- 9	2314	- 58	853	0
	2. ENGLAND, N.E.	51	31	45.9	36.5	41.4	4 above	11	+ 6	23	- 12	2595	+ 72	590	- 125
	3. ENGLAND, EAST.	49	29	45.8	36.9	41.5	4 above	11	+ 4	22	- 19	3036	+ 101	625	- 182
	4. MIDLAND COUNTIES.	51	28	46.8	37.0	42.1	5 above	22	+ 14	14	- 27	2983	+ 103	619	- 207
	5. ENGLAND, SOUTH	52	28	47.0	37.5	42.5	3 above	22	+ 10	13	- 18	3403	+ 176	388	- 215
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	57	32	47.7	39.7	43.9	5 above	23	+ 14	6	- 22	2605	+ 129	449	- 139
	7. ENGLAND, N.W.	52	26	47.6	40.5	44.2	4 above	22	+ 13	4	- 25	2950*	+ 267	308*	- 212
	8. ENGLAND, S.W.	58	33	48.8	40.5	44.8	4 above	26	+ 11	4	- 18	3208	+ 166	280	- 141
	9. IRELAND, NORTH	52	32	47.7	39.8	43.9	5 above	22	+ 10	6	- 20	2743	+ 92	448	- 84
	10. IRELAND, SOUTH	54	29	49.3	41.3	45.5	4 above	27	+ 8	2	- 19	3145	+ 110	284	- 134
	-CHANNEL ISLANDS	54	43	50.8	45.4	48.2	4 above	43	+ 18	0	- 8	3925	+ 362	97	- 40

DISTRICTS. (See p. 308.)		Rainfall.								Bright Sunshine.							
		For the Week.			From December 31st, 1893.					For the Week.				From December 31st, 1893.			
		Number of Rainy Days.	Total Fall.	More or less than the mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10ths of in. 18	10ths of ins. 5 more	234	- 11	53.8	3	+ 2	6	+ 3	1129	+ 117	30	+ 2		
	1. SCOTLAND, EAST	4	5	1 less	202	+ 2	34.3	5	- 5	10	- 10	1296	+ 64	33	+ 2		
	2. ENGLAND, N.E.	3	1	4 less	208	+ 21	25.5	15	+ 7	30	+ 16	1305	+ 91	30	+ 2		
	3. ENGLAND, EAST.	5	3	2 less	205	+ 20	26.9	13	+ 3	25	+ 6	1459	- 48	33	- 1		
	4. MIDLAND COUNTIES.	4	4	2 less	196	+ 16	27.4	9	+ 1	17	+ 2	1325	- 1	30	0		
	5. ENGLAND, SOUTH	4	4	2 less	196	+ 19	32.2	15	+ 4	27	+ 7	1576	- 16	24	0		
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	6	7 less	219	+ 8	49.7	4	- 3	8	- 6	1354	+ 43	31	+ 1		
	7. ENGLAND, N.W.	6	7	1 less	213*	+ 16	36.3	5	- 1	10	- 1	1230*	+ 57	31	+ 2		
	8. ENGLAND, S.W.	6	8	2 less	214	+ 9	45.0	8	- 1	16	- 3	1610	- 8	36	0		
	9. IRELAND, NORTH	6	7	1 less	234	+ 5	38.3	5	- 4	10	- 6	1262	+ 55	29	+ 1		
	10. IRELAND, SOUTH	5	8	1 less	212	+ 2	43.7	6	- 5	10	- 10	1365	- 74	31	- 2		
	-CHANNEL ISLANDS	5	7	1 less	221	+ 2	38.8	10	- 3	17	- 5	1763	- 63	41	- 1		

Bright Sunshine.—For several of the stations there are no "mean" values available, and the "difference from the mean" in some of the districts is consequently that of only a few of the stations. In Scotland N. and E. there is only one "mean" available for each district.

General Remarks.

Weather was less unsettled than of late during the greater part of the week, although occasional slight rain was experienced in nearly all places. By the evening of Friday, however, the conditions had become rough over the entire Kingdom, and especially so in the north, where squalls of cold rain or sleet prevailed very generally, with thunder and lightning in several places.

Temperature continued above the mean, the excess ranging from 3° in Scotland N. and E. and England S., to 5° in the Midland Counties, Scotland W., and Ireland N. Towards the end of the week, however, it fell rapidly and the air became dry and keen. The highest of the maxima were recorded either on the 24th or 25th, when they ranged from 58° in England S.W., 57° in Scotland W., and 55° in Scotland N., to 49° in Scotland E. The lowest of the minima were registered either on the 28th or 29th, and ranged from 26° in Scotland N. and E. and England N.W., to 26° in Ireland S., and to 43° in the Channel Islands.

Rainfall exceeded the mean in Scotland N., but was less in all other districts, the fall in England N.E. being extremely slight.

Bright Sunshine was fairly abundant for the time of year in most parts of England, but very little was experienced in Ireland and Scotland. The percentage of the possible duration ranged from 30 in England N.E., 27 in England S., and 25 in England E., to 17 in the Midland Counties and the Channel Islands, and to 8 in Scotland W. and 6 in Scotland N.

Barometer and Wind.—Soon after the commencement of the week a shallow "V" shaped depression travelled eastwards over our Islands. In the rear of this system the barometer rose briskly and the wind shifted to the Westward or North-Westward very generally. The increase of pressure continued until Thursday, when the noon reading of the barometer at Valencia was 30.93 ins. On Friday, however, a very deep depression appeared off the north of Scotland, causing a rapid decrease of pressure in all parts of our Islands, accompanied by strong Westerly to North-Westerly gales, which continued in many places until the end of the period.

II.—DATA from which the SUMMARY on page 307 has been calculated.

DISTRICTS.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.									
								Above 42° F.	Below 42° F.	Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	31	44.7	37.3	41.2	+ 2.1	8	20	7	1.40	+0.48	*	*	*
	Stornoway	51	30	40.1	36.9	41.7	+ 2.9	11	22	7	1.51	+0.26	7.5	+21.5	17?
	Wick	55	30	45.9	34.9	40.6	+ 3.0	11	29	5	0.65	+0.02	*	*	*
	Glencarron	50	26	44.4	34.9	39.8	+ 2.5	7	28	7	4.32	+2.13	*	*	*
	Fort Augustus	51	30	45.6	35.6	40.8	+ 2.7	10	26	6	1.33	+0.28	0.0	?	0
	Fort William	51	31	46.7	39.2	43.1	+ 3.0	19	8	7	1.82	-0.30	0.9	?	2
1. SCOTLAND, E.	Nairn	54	29	46.0	35.4	40.9	+ 3.4	11	27	4	0.56	+0.13	*	*	*
	Aberdeen	53	31	44.7	33.9	39.5	+ 2.2	8	32	5	0.65	-0.33	4.8	- 4.8	10
	Braemar	50	26	41.8	33.0	37.6	+ 3.4	0	31	4	0.86	+0.19	5.7	?	12
	Ochertyre	54	29	46.8	34.3	40.5	+ 4.4	12	31	4	0.24	-0.76	*	*	*
	Leith	51	32	46.9	36.7	42.0	+ 3.1	14	15	3	0.22	-0.20	*	*	*
	Marchmont	46	28	42.0	33.6	38.0	+ 1.7	0	28	?	?	?	5.3	?	11
2. ENGLAND, N.E.	Alnwick Castle	49	34	44.4	36.7	40.7	+ 3.1	7	21	4	0.23	-0.42	*	*	*
	Durham	51	32	46.4	34.8	40.8	+ 4.1	12	30	2	0.07	-0.53	15.6	+ 6.0	32
	Shields	51	32	46.4	35.7	41.3	+ 3.0	12	27	1	0.05	-0.47	*	*	*
	Scarborough	50	31	46.7	36.3	41.7	+ 4.5	13	25	3	0.23	-0.26	14.5	+ 8.7	29
	York	48	36	45.7	39.0	42.5	+ 4.0	16	8	5	0.13	-0.29	*	*	*
	Spurn Head	50	31	46.7	36.3	41.7	+ 4.5	13	25	3	0.23	-0.26	14.5	+ 8.7	29
3. ENGLAND, E.	Hillington	48	30	46.4	37.5	42.1	+ 5.2	20	13	6	0.21	-0.31	12.4	+ 3.6	24
	Yarmouth	47	34	44.1	37.0	40.7	+ 3.1	6	20	4	0.28	-0.29	*	*	*
	Geldeston	47	32	46.3	36.7	41.7	+ 3.8	12	23	4	0.22	-0.23	15.1	+ 4.1	28
	Cambridge	49	30	46.1	36.3	41.4	+ 4.2	11	24	6	0.26	-0.12	10.4	+ 1.1	20
	Rothamsted	49	29	45.9	37.1	41.7	+ 4.4	11	21	7	0.37	-0.21	13.8	?	26
	Bawtry (Hesley Hall)	50	31	47.1	36.4	42.0	+ 4.8	14	16	3	0.12	-0.38	*	*	*
4. MIDLAND COUNTIES	Loughborough	51	28	46.6	37.4	42.2	+ 4.7	21	13	3	0.39	-0.11	*	*	*
	Stamford (Ketton Hall)	51	28	47.1	36.4	42.0	+ 4.9	14	25	7	0.44	-0.06	*	*	*
	Cheedale	48	29	45.5	36.2	41.0	+ 4.6	10	24	5	0.37	-0.32	*	*	*
	Churchstoke	50	33	47.4	37.2	42.5	+ 4.6	24	13	4	0.45	-0.23	4.7	- 4.1	9
	Hereford	50	34	47.3	37.7	42.7	+ 4.5	23	12	5	0.42	-0.10	10.1	+ 1.1	19
	Cirencester	50	?	46.9	?	?	?	?	?	3	0.48	-0.19	11.0	+ 2.5	21
5. ENGLAND, S.	Oxford	50	32	46.4	38.0	42.4	+ 4.1	20	11	5	0.30	-0.18	11.0	+ 2.5	21
	London	50	31	47.4	37.3	42.6	+ 3.6	24	13	5	0.28	-0.22	8.9	+ 4.1	17
	North Foreland	48	32	45.1	37.4	41.4	+ 1.9	9	19	4	0.27	?	*	*	*
	Strathfield Turgiss	50	28	46.3	35.1	40.9	+ 3.2	12	29	5	0.49	-0.11	*	*	*
	Dungeness	50	29	47.3	36.3	42.0	+ 2.1	15	16	4	0.18	-0.47	*	*	*
	Hastings (St. Leonards)	49	33	47.7	38.5	43.3	+ 3.4	24	10	4	0.30	-0.35	18.2	+ 5.5	34
6. SCOTLAND, W.	Southampton	52	30	48.4	39.4	44.1	+ 4.2	26	7	4	0.46	-0.27	11.7	+ 1.1	22
	Hurst Castle	51	33	47.6	39.3	43.6	+ 2.9	23	8	3	0.31	-0.33	*	*	*
	Stowell	50	31	46.5	36.4	41.7	+ 3.3	13	25	6	0.65	?	*	*	*
	Landale (Loch Sunart)	57	32	50.2	39.3	45.0	+ 5.1	32	8	7	0.67	-1.40	*	*	*
	Glasgow	50	32	45.8	38.0	42.1	+ 4.0	17	11	6	0.48	-0.42	4.4	+ 0.6	9
	Ardrossan	51	36	47.3	42.1	44.8	+ 4.5	20	0	7	0.33	-0.56	*	*	*
7. ENGLAND, N.W.	Glenties	51	35	46.9	38.7	43.0	+ 5.8	21	9	6	0.67	-0.82	*	*	*
	Douglas (Isle of Man)	52	34	48.4	40.6	44.7	+ 4.0	25	4	7	0.93	-0.09	2.8	- 6.5	6
	Stonyhurst	48	30	45.4	37.4	41.6	+ 4.0	10	20	7	0.56	-0.42	6.6	+ 0.1	13
	Blackpool	52	36	48.4	40.7	44.7	+ 1.9	24	4	5	0.31	-0.41	5.9	- 0.1	12
	Manchester (Prestwich)	49	26	47.5	37.3	42.6	+ 5.1	24	13	7	0.71	-0.09	4.3	?	9
	Liverpool Obsy. (Bidston)	49	35	47.4	41.7	44.7	+ 5.1	20	1	6	0.69	+0.13	*	*	*
8. ENGLAND, S.W.	Llandudno	51	39	48.5	42.9	45.8	+ 4.3	27	0	7	0.92	+0.24	4.0	- 2.0	8
	Holyhead	51	37	48.4	42.9	45.8	+ 3.2	27	0	6	0.79	-0.03	*	*	*
	Llandoverly	51	34	47.6	38.3	43.1	+ 2.5	23	10	7	1.09	-0.13	*	*	*
	Pembroke	52	38	49.0	43.9	46.6	+ 2.3	32	0	4	0.56	-0.33	5.8	- 4.8	11
	Bristol (Montpelier)	51	33	48.1	37.4	43.0	+ 3.6	24	13	4	0.51	-0.21	*	*	*
	Arlington (N. Devon)	50	36	47.0	39.4	43.4	+ 3.3	21	7	7	1.32	+0.13	*	*	*
9. IRELAND, N.	Cullompton	52	35	48.5	38.7	43.8	+ 4.3	24	9	6	0.70	-0.08	9.3	+ 1.3	17
	Falmouth	52	38	49.9	41.0	47.1	+ 3.2	36	0	5	0.92	-0.28	10.4	- 1.6	19
	Plymouth	58	39	51.2	42.4	47.0	+ 5.1	35	0	7	0.78	-0.12	8.7	- 2.3	16
	Prawle Point	54	36	43.0	39.9	44.6	+ 2.5	27	6	5	0.53	-0.27	*	*	*
	Malin Head	50	36	47.0	42.1	44.8	+ 5.0	20	0	6	0.21	?	*	*	*
	Londonderry	51	32	47.5	39.1	43.5	+ 3.9	23	8	7	0.93	+0.04	*	*	*
10. IRELAND, S.	Edenfel (Omagh)	50	33	48.0	39.3	43.8	+ 5.8	24	8	6	0.66	-0.14	*	*	*
	Belmullet	52	38	49.9	43.1	46.6	+ 3.2	32	0	7	1.20	?	*	*	*
	Markree Castle	52	34	48.7	40.4	44.7	+ 5.7	26	4	7	0.82	+0.02	4.8	- 4.1	10
	Brookeborough	50	33	47.0	38.7	43.0	+ 5.6	21	9	5	0.64	-0.28	*	*	*
	Armagh	50	33	46.9	38.9	43.1	+ 4.9	21	9	4	0.64	+0.02	4.7	- 3.8	9
	Donaghadee	51	34	47.1	38.7	43.1	+ 2.2	22	9	6	0.38	-0.26	*	*	*
CHANNEL ISLANDS	Edgeworthstown	51	33	47.5	37.9	42.9	+ 5.0	24	11	4	0.84	+0.14	*	*	*
	Dublin	53	35	48.7	40.4	44.7	+ 3.7	26	4	6	0.49	-0.03	7.3	- 3.8	14
	Parsonstown	52	33	48.1	39.4	43.9	+ 4.8	24	7	5	0.60	-0.10	4.7	- 5.6	9
	Kilkenny	51	34	47.7	39.6	43.8	+ 3.8	23	7	3	0.44	-0.31	*	*	*
	Roche's Point	53	38	49.4	42.9	46.3	+ 2.8	30	0	4	0.81	-0.36	*	*	*
	Valencia	54	40	51.7	44.3	48.2	+ 3.3	43	0	6	1.30	-0.08	4.4	- 6.8	8
CHANNEL ISLANDS	Killarney	54	29	50.7	41.7	46.4	+ 4.2	32	1	5	1.13	?	*	*	*
	Foynes	53	35	49.0	40.9	45.1	+ 3.8	26	3	5	0.75	?	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	44	50.9	45.4	48.3	+ 1.9	44	0	5	0.60	-0.29	9.6	?	17
	Jersey	53	43	50.6	45.4	48.1	+ 5.2	43	0	5	0.84	+0.03	16.9	- 2.9	19

Stations marked *gr* are in connection with the Royal Meteorological Society, and those marked *S* with the Scottish Meteorological Society.

* An asterisk is inserted in all places for which the information is not usually received.

† The sunshine values at Braemar are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row) at the Kew Observatory and the Meteorological Office, Victoria Street. For additional Reports of Sunshine see last page.

Sunday, 23rd December.

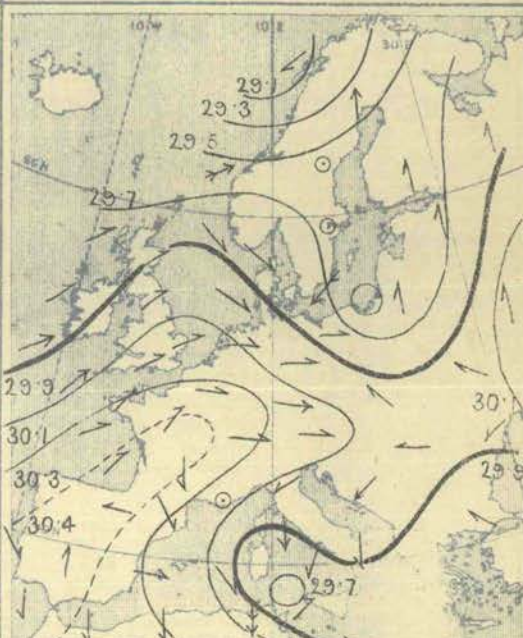
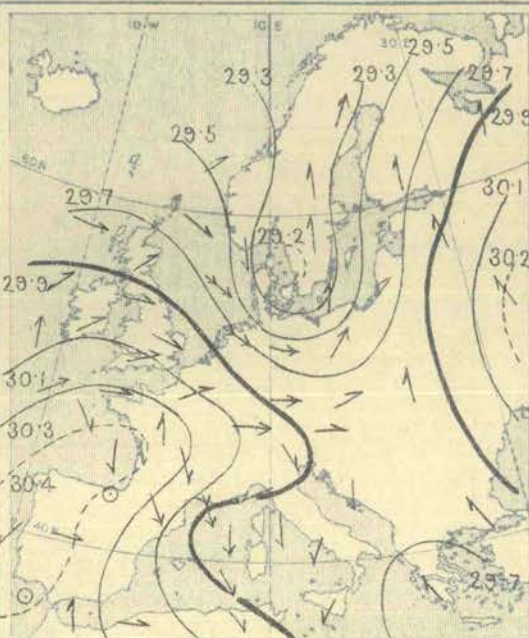
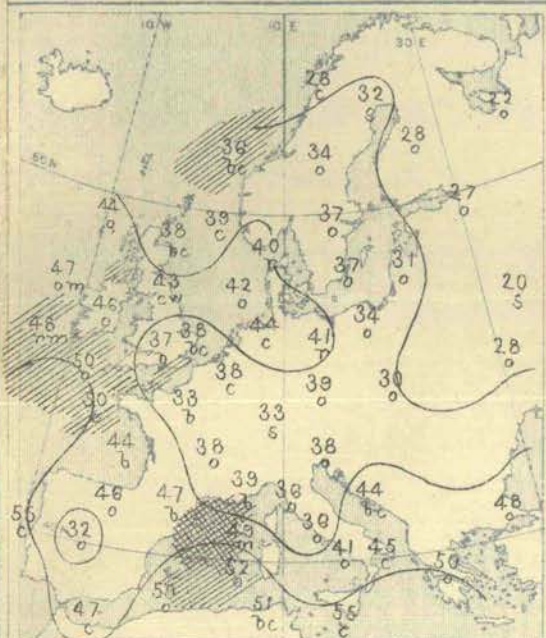
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over Scotland, England, and the north and west of France, as well as on the north-east coast of Spain; fair over the Peninsula generally. Very dull and unsettled elsewhere, and rough over Scandinavia, the Baltic, and Finland. A good deal of rain over Ireland later, some at the English stations, in the north-west and west of France, and snow over northern Europe. Considerable rain over the southern shores of the Mediterranean also.

Temperature fallen fast over England, France, and the North Sea, risen over Germany, little changed elsewhere. Highest, 59° to 56° on the southern side of the Mediterranean, 55° to 52° on the coast of Portugal, 50° to 48° on our south-west and west coasts, 50° at Brest. Lowest, (1) 13° Fahr. at Kharkov, 20° at Moscow, 22° at Archangel, and below the freezing point over Russia, Poland, and Hungary generally; (2) 37° in London, 35° over the south-midland and eastern counties generally, as well as at Aberdeen. Rising later to between 50° and 53° over the western districts generally, to 40° in London, to between 57° and 61° in the southern parts of Portugal and Italy, and to 70° on the coast of Tunis.

Wind (1) light and anticyclonic from South-East over central Russia, and from between West and North (anticyclonic) over the Iberian Peninsula; (2) North-Westerly, strong to a gale, on the eastern shores of the North Sea, southerly, strong to a gale, over the Baltic and Gulf of Finland, moderate over the Gulf of Bothnia; (3) Westerly, moderate, over Great Britain and the English Channel, but backing to South in the west of Ireland, and freshening. Blowing strongly from Southward on our western coasts later, but soon moderating and veering to Westward. Increasing to a gale from North-North-East at Wisby.

Barometer highest, (1) 30.4 ins. and more over Spain, and exceeding 30.1 ins. over France, the greater part of England, and the south of Ireland; (2) 30.2 ins. and more to 30.1 ins. over central Russia. Lowest, below 29.3 ins. over Sweden generally (yesterday's depression rising up rapidly over the south of Sweden); (2) below 29.9 ins. over Corsica, Sardinia, and the southern half of Italy. Falling fast for a time over Ireland later, but the new depression proving shallow and "V" shaped.

Monday, 24th December.

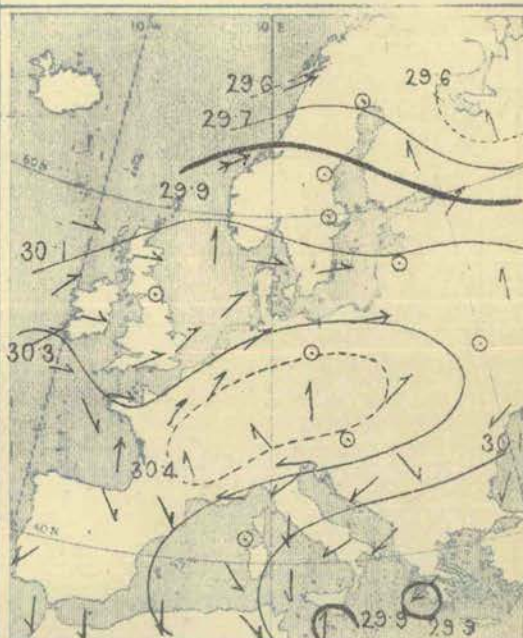
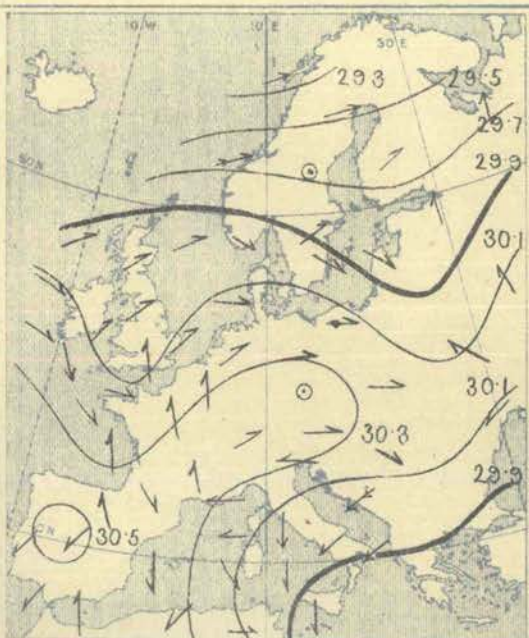
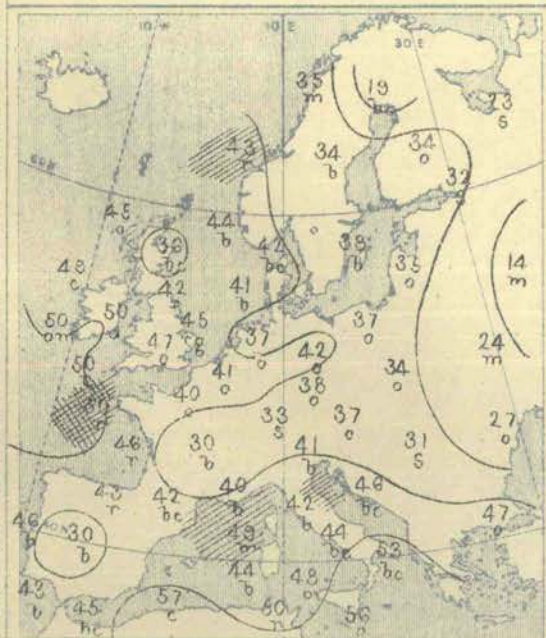
Temperature and Weather.

8 a.m.

Barometer and Wind.

8 a.m.

6 p.m.



Weather in morning fine and bright over Sweden and Denmark, as well as over the southern parts of Spain and France and the greater part of the Mediterranean, very dull and unsettled elsewhere, with fog and rain locally over the United Kingdom and north of France, snow in the north of Russia and several parts of central Europe. Slight rain falling later over the British Isles and north of France, a considerable fall at Chasseron, and gloomy weather continuing general during day over England.

Temperature in morning highest, 57° at Algiers, 56° at Tunis, 51° to 50° on the north-west coasts of France and the south-western and western coasts of the British Isles, 47° in London. Lowest, (1) 14° at Moscow, 24° to 28° over southern Russia generally; (2) 19° at Haparand, 23° at Archangel, 30° at Karlstad; (3) 36° at Aberdeen, 42° at Shields. Very little change over the British Isles later, but maxima of 63° to 70° recorded on the coasts of Algeria and Tunis, and 60° or more in the southern parts of Italy and Spain.

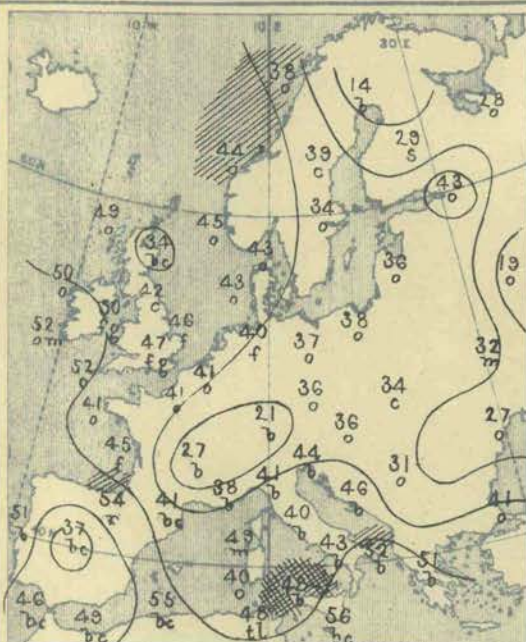
Wind (1) light and anticyclonic over the central parts of Spain, France, Germany, and Russia; (2) blowing very strongly from West-South-West in the north of Norway, and ranging between South-West and North-West over the north-western and northern countries generally, but moderate in force; (3) North-Easterly to Northerly over the Adriatic, Italy, and the eastern part of the Mediterranean, and blowing a gale at Lesina and Rome. Backing to South-West in Ireland later, but remaining moderate; gale over Italy and the Adriatic dying down completely.

Barometer highest, 30.4 ins. and more to 30.2 ins. over Spain, the Bay of Biscay, France, and western Germany, and exceeding 30.2 ins. over central Russia also, the two regions being joined by a "col." Lowest, (1) 29.3 ins. and less over the west of Lapland; (2) below 29.4 ins. over the south-eastern parts of the Mediterranean. Rising later over our Islands and their neighbourhood, as well as over central and south-eastern Europe; depression in latter region filling up.

Tuesday, 25th December.

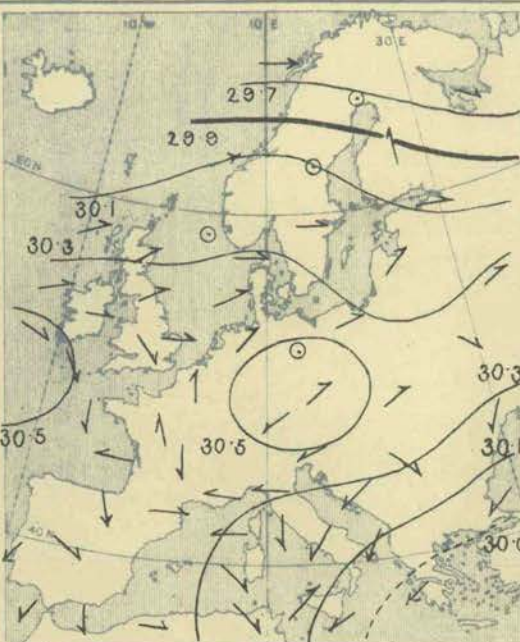
Temperature and Weather.

8 a.m.

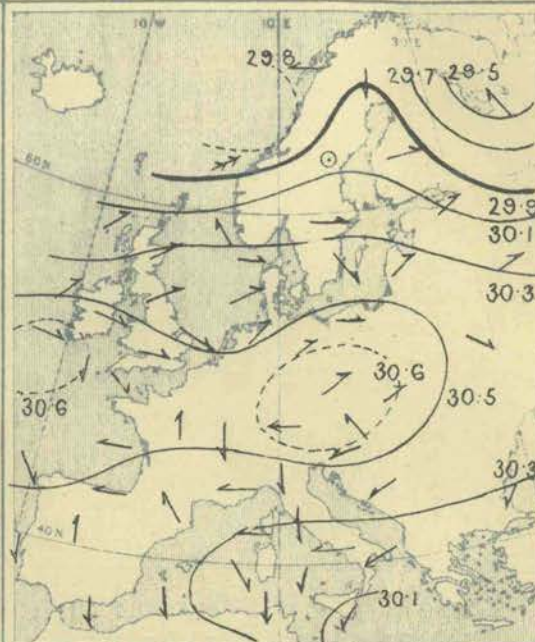


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, the south of France, as well as many parts of central Europe and Scandinavia. Very dull elsewhere, with wet fog in the south-east of our Islands, and slight rain at several of our western and northern stations. Much rain in the west of Norway later, and smaller quantities at the northern and western stations generally, with showers in some English localities.

Temperature not changing much anywhere. Morning readings highest, 56° at Malta, 55° at Algiers, 52° at Brindisi, 52° on our extreme west and south-west coasts, 49° at Stornoway. Lowest, (1) 14° at Haparanda, 21° at Karlstad, 28° at Archangel, 29° at Kuopio; (2) 19° at Kharkov, 25° to 27° on the south coast of Russia; (3) 21° at Munich, 27° at Lyons, 28° at Belfort. Rising later to between 50° and 54° over all the western and northern parts of our Islands and the west of France, but remaining very cold over south Germany.

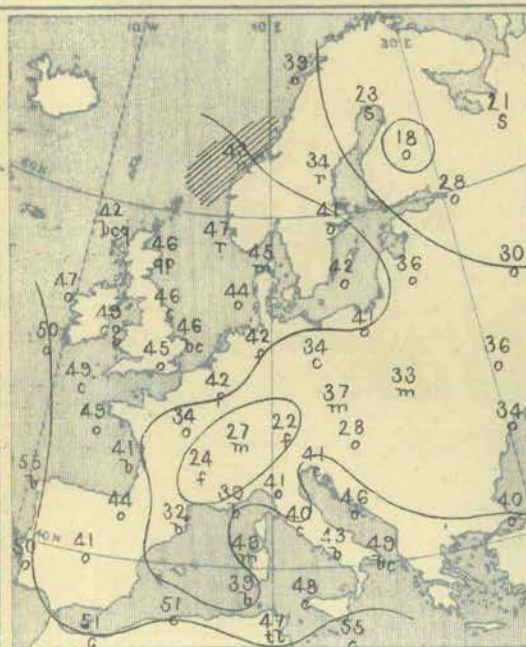
Wind very light, and of a complex, anticyclonic character, over central Europe, France, Spain, the Bay of Biscay, and the southern parts of the British Islands; Westerly over Scandinavia, and strong to a gale at the most northern stations; Easterly to Northerly over the greater part of southern Europe. Shifting to East over Lapland later, no decided change elsewhere.

Barometer highest, 30.5 ins. and more to 30.4 ins. in a complex anticyclonic band stretching from the Atlantic across Ireland, England, the Bay of Biscay, and France to central Europe. Lowest, below 29.7 ins. over Lapland and the Kola Peninsula on the one hand, and below 30.0 ins. over Greece on the other. Rising very generally (especially in far north) during the day, but relative distribution of pressure not changing much.

Wednesday, 26th December.

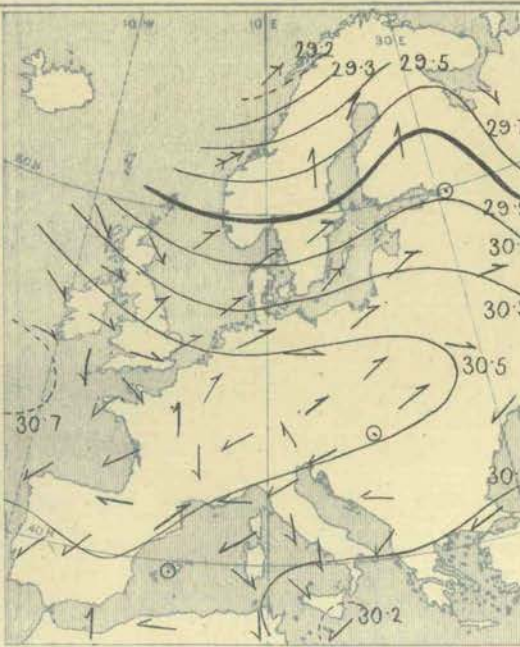
Temperature and Weather.

8 a.m.

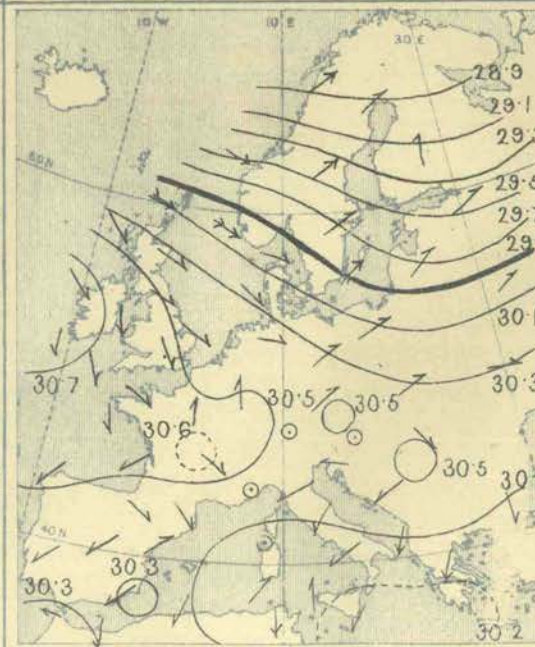


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over the greater part of the United Kingdom, but showery and squally in the north and east of Scotland, dull over central Europe, with fog in many places, dull, squally, and very rainy over Scandinavia, with snow at Haparanda; very fine over the Mediterranean and south of France. A little rain later over the greater part of our Islands, Germany, and the north of France, and snow at the more northern stations, hail at Stornoway.

Temperature in morning highest, 55° at Malta and Corunna, 51° to 50° along the Algerian coast, 50° at Valencia (Ireland), 49° to 46° on our western and south-western coasts, and above 45° over almost the whole of our Islands. Lowest, (1) 18° at Kuopio, 21° at Archangel, 23° at Haparanda; (2) 16° at Kieff, 26° at Odessa; (3) 23° at Munich, 24° at Lyons, 27° at Belfort. Inclined to fall steadily over the United Kingdom later, but to rise over France. Maxima of 60° and more recorded over Algeria.

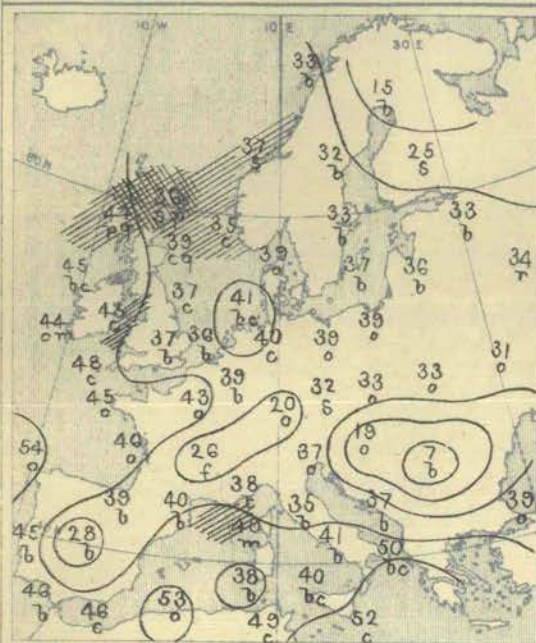
Wind (1) North-Westerly, fresh to moderate, in Scotland, Westerly to Southerly, strong to a gale, over Scandinavia, South-Westerly, moderate, over Denmark; (2) light North-Westerly to Westerly over Ireland and England, very light and variable (anticyclonic) over France and central Europe; (3) moderate from between East and North over southern Europe and the Mediterranean. A gale from North-West felt over Caithness and the Shetlands later, and wind increasing from that quarter in the North-West and North generally. Gale over Scandinavia veering.

Barometer highest, 30.6 ins. and more over the south-west of Ireland, Brittany, and the central parts of France and Germany; exceeding 30.4 ins. over the whole of western and central Europe. Lowest, (1) below 29.2 ins. in a depression approaching Finland from the westward; (2) below 30.2 ins. over Malta and the south of Sicily. Rising at our northern and western stations all day, and change spreading eastwards and southwards. Depression in far north becoming much deeper and moving eastwards quickly.

Thursday, 27th December.

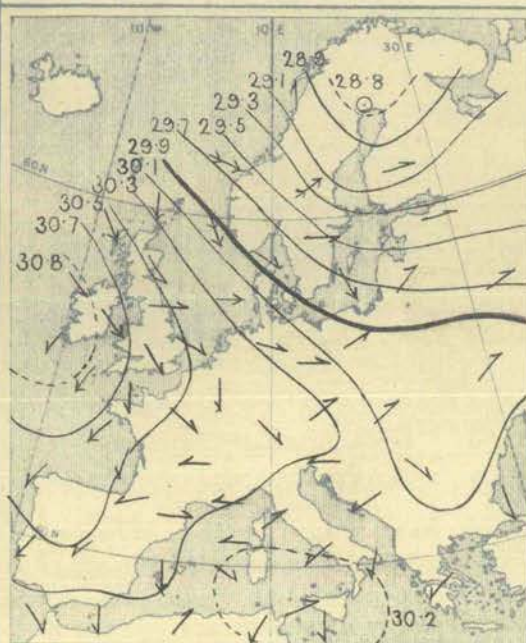
Temperature and Weather.

8 a.m.

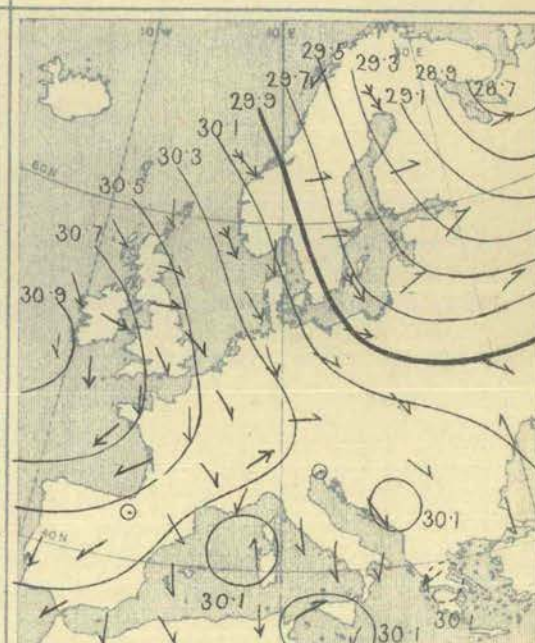


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, Spain, and the greater part of the British Islands, as well as in Sweden; dull and rough, however, at our most northern stations, in Norway, and the north of Russia, with rain or snow in many places, and an angry sky at Wick. A little rain or snow later at the northern and north-western stations generally, but weather fine over England and Ireland all day.

Temperature falling over north-western Europe. Morning readings highest, 53° at Algiers, 52° at Brest; 54° at Corunna, 48° at Lorient, 46° at Malin Head. Lowest, (1) 15° at Haparanda, 25° at Kuopio, 32° at Hernösand; (2) 22° at Kharkov, 31° at Kiev; (3) 20° at Munich, 26° at Lyons, 27° at Belfast. Further fall over England at night, but sudden rise occurring at the Scotch stations.

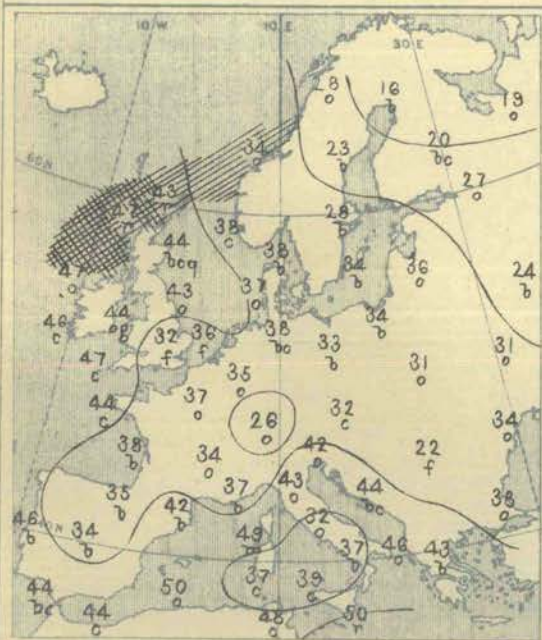
Wind South-Westerly to North-Westerly, a strong gale, over Scandinavia, Westerly, strong, at Fano, and North-Westerly, strong to moderate, over the north of our Islands, Westerly over north Germany, South-Westerly over central Russia; Northerly, moderate to light, over our south-western and southern counties, North-Easterly, fresh to moderate, over the Bay of Biscay. Falling light all over our Islands later, and continuing North-Westerly to North-Easterly (anticyclonic) at 6 p.m.

Barometer highest, 30.8 ins. and more over the western, central, and southern parts of Ireland, and exceeding 30.4 ins. all over the United Kingdom and nearly the whole of France. Lowest, below 29.5 ins. in a depression over the east of Lapland, and below 29.5 ins. over the northern parts of Scandinavia generally; gradients very steep over Sweden and Norway. Rising later over our Islands, to 30.93 ins. at Valencia at noon (highest since January, 1891), but then inclining to fall slightly in the extreme north-west and west.

Friday, 28th December.

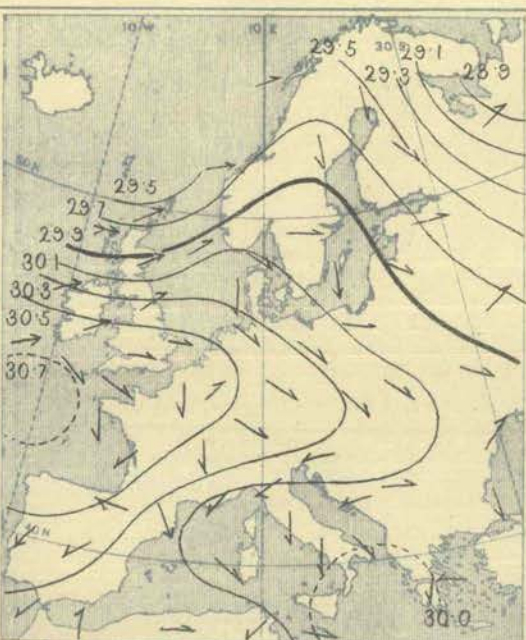
Temperature and Weather.

8 a.m.

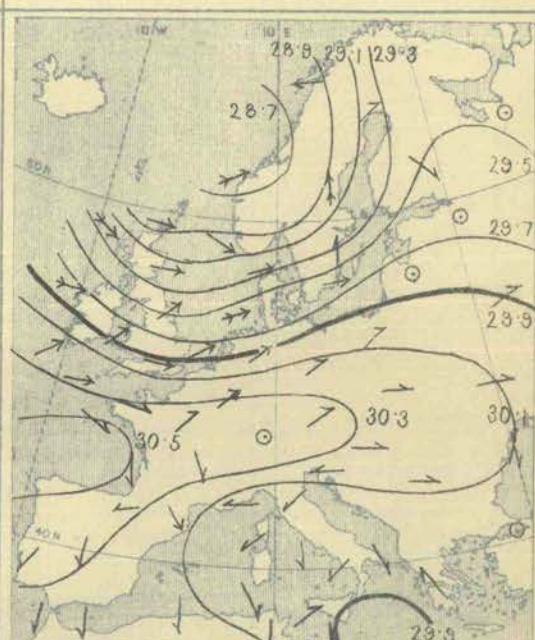


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean, Spain, France, Sweden, and many of the northern parts of Russia; becoming very unsettled over Norway, Scotland, Ireland, and the north of England, with rain in the Shetlands and Hebrides. Rain also at Malta and Tunis. Snow and rain falling later over the British Islands and several parts of northern and central Europe, heavily at Sumburgh Head, Stornoway, and Berlin; thunder and lightning occurring in Scotland and Ireland; aurora seen at Wick.

Temperature changing very fitfully. Morning readings highest, 50° at Malta and Algiers only, 49° at Oporto, 47° at Scilly, as well as at Belmullet and Stornoway, 46° at Nairn. Lowest, (1) 16° at Haparanda, 19° at Archangel, 23° at Hernösand, 24° at Moscow; (2) 26° at Munich, 28° at Belfast, 32° at Breslau and Münster; (3) 31° at Dungeness, 32° in London, 33° at Cambridge. Changing often and irregularly over our Islands later, finally falling fast. Rising during day to 55° or more over the southern parts of Spain and Italy.

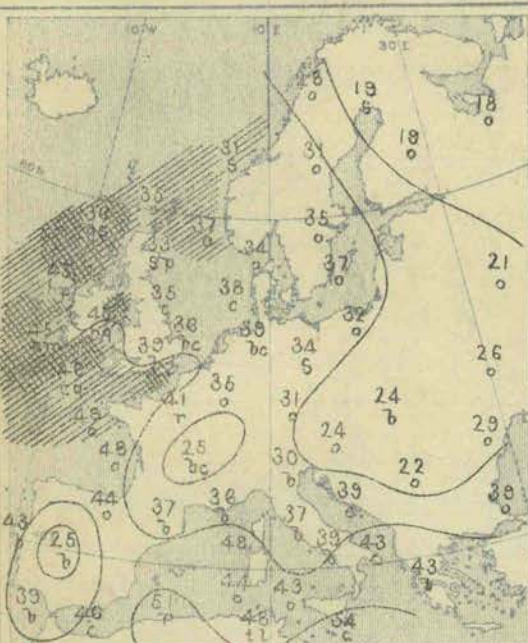
Wind (1) mainly Easterly to Northerly over the Mediterranean, and moderate to light in force; (2) light and anticyclonic over Spain, France, and Germany; (3) Northerly to North-Westerly and cyclonic over Finland, South-Westerly at Moscow; (4) becoming strong and cyclonic from West and South-West over the north of our Islands and the west of Norway. North-Westerly and Westerly gales of considerable force spreading over the British Islands and North Sea later; and blowing hardest on our north-west coasts.

Barometer highest, 30.6 ins. and more over the south-west of our Islands, Brittany, and the Bay of Biscay, and exceeding 30.2 ins. all over Ireland, England, western Germany, France, and Spain. Lowest, below 29.6 ins. over the Shetland Islands and Lapland; below 28.9 ins. at Archangel, and below 30.0 ins. at Malta. Falling very rapidly over the British Islands and their neighbourhood later, as a deep depression advanced towards Scandinavia and spread southwards.

Saturday, 29th December.

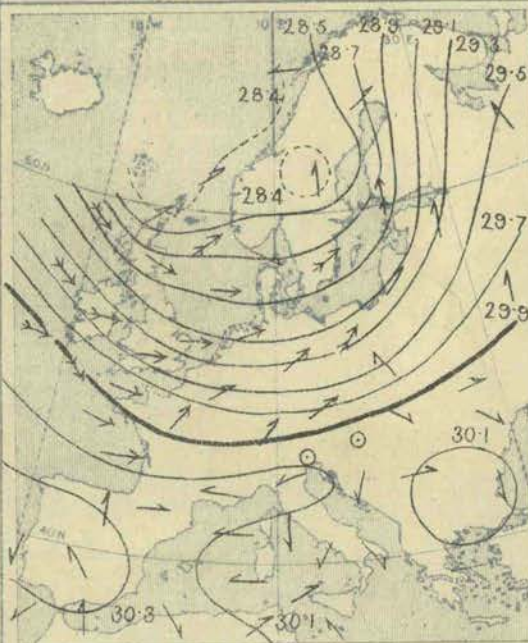
Temperature and Weather.

8 a.m.

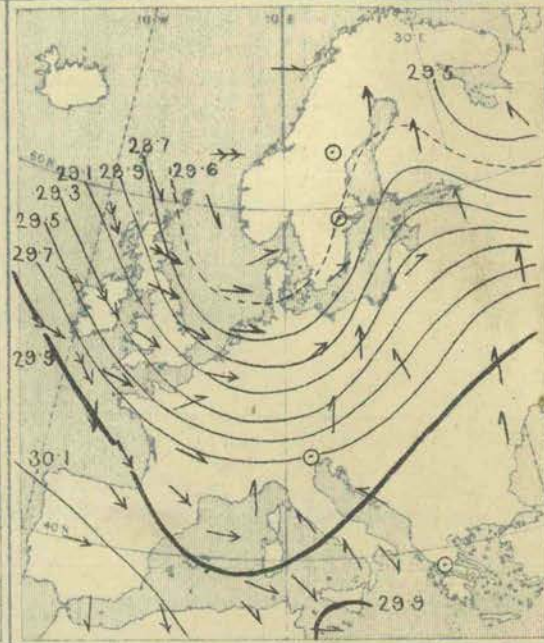


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning squally and showery over the United Kingdom generally, with snow at several of the northern stations. Cloudy or overcast in all but the southern European countries, with snow over Finland, the Baltic, and many parts of Scandinavia. Thunderstorm reported at Tunis. Snow or sleet falling during day over the greater part of western and northern Europe, and rain at several of the Italian stations. Lightning seen in the south-west of England at night.

Temperature risen in France and the south-east of England, as well as in Sweden and Russia, but fallen elsewhere. Morning readings highest, (1) 54° at Malta, 51° at Algiers, and 49° at Seix; (2) 50° at Lorient, 48° at Brest, and 45° at Jersey and Rochefort. Lowest, (1) 17° at Munich and 2° at Vienna; (2) 18° at Archangel, 19° at Haparanda, Ulenborg, and Kuopio, and 21° at Moscow; below the freezing point in most parts of northern, eastern, and central Europe, and very little above it over the northern parts of Great Britain. Daily maxima below 40° in the north of our Islands, and below 45° at many of our southern stations, but thermometer reaching 50° or more in the west and south of France.

Wind strong to a gale from the North-Westward in the west and north of our Islands, from the Westward on our eastern, southern, and the French coasts, from the South-Westward over Germany and the Baltic, and from the Southward over Finland and the north of Sweden. Light and variable over southern and south-eastern Europe. Subsequently veering to the North-Westward over England and France; severe gale from same quarter blowing on many parts of our north and north-west coasts.

Barometer highest, 30.4 ins. and upwards over central Spain; 30.0 ins. and upwards over southern Europe generally. Lowest, 28.4 ins. and less in a depression lying to the westward of Norway, and also in a secondary disturbance over central Sweden; gradients slight over Scandinavia, but steep in all other parts of north-western, northern, and central Europe. Depression in north subsequently moving eastwards; barometer rising in most parts of the United Kingdom, quickly in the north.

GENERAL NOTES.

The depression which lay over northern Europe early on Sunday morning filled up very rapidly, the barometer rose over the Atlantic and the western countries, and a large high-pressure area appeared off our western coasts, while a ridge of great size stretched thence in an easterly direction over France and Germany to Russia. Temperature, however, remained high over the northern countries, in which regions the dominant wind-current was still Westerly to North-Westerly, owing to the appearance of new disturbances over Lapland and the north of Russia. It was not until Friday, when a complex system appeared off our northern coasts and spread southwards with rapidity, that the thermometer began to fall decidedly, and, even at the close of the week, the cold was by no means severe, although a good deal of snow fell in the north, and violent North-Westerly gales were felt over Scotland and the Irish Sea.

It is worthy of note, that on Thursday, the barometer rose to 30.4 ins. (at Sea Level) at Valencia; this is the highest reading recorded in that region since January, 1891. The fall of the barometer in Scotland which ensued immediately and the subsequent rise were altogether exceptional for range in intervals of from 14 to 24 hrs. each.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 308.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from Mean for the Week.
EDINBURGH	3.2	?	7	?	EASTBOURNE	17.2	?	32	?
OSWALDKIRK (Yorkshire)	14.2	?	28	?	MANCHESTER (Oldham Road)	3.3*	?	6	?
WORKSOP	9.8	+ 2.3	19	+ 5	TENBY	4.0*	?	8	?
THURCASTON (Leicestershire)	8.0	+ 2.5	15	+ 4	NEWQUAY	8.0	?	15	?
MARGATE	16.6	?	31	?	TORQUAY	12.9*	?	23	?
WESTBOURNE (Sussex)	14.0*	?	26	?	ARLEY COTTAGE (County Cavan)	5.8	?	12	?
BRIGHTON	16.0	?	30	?	GUERNSEY	8.1*	?	14	?

* The values at Westbourne, Manchester, Tenby, Torquay and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.)							Rainfall.			Bright Sunshine.				
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
Dec. 1st, 1894.	Edgeworthstown.	51	27	46.0	33.3	39.7	-1.0	11	34	2	Inches. 0.05	Inches. -0.80	—	—	—	—
" " "	York	—	—	—	—	—	—	—	—	1	—	—	13.0	+6.2	24	+11
" " "	Newquay	—	—	—	—	—	—	—	—	1	—	—	20.0	?	34	?
" 8th, "	Scarborough	46	30	44.5	33.3	39.1	-1.0	7	34	2	0.08	-0.58	—	—	—	—
" 22nd, "	Blackpool	52	31	45.6	38.5	43.8	+5.0	27	10	7	1.22	+0.50	10.6	+4.2	21	+9

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1894.

VOL. XI. APPENDIX I.]

New Series.

FIRST QUARTER—JANUARY TO MARCH.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FIRST QUARTER OF THE TWENTY-NINE YEARS, 1866 TO 1894.

YEARS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.							
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.		
Means for 5 } years, 1866-70 }	—	12.6	—	9.6	—	5.4	—	5.7	—	6.9	—	8.5	—	7.2	—	12.6	—	11.8	—	13.7	—	11.8	—	11.0	—	12.2	—	—	—	—	9.7	
Means for 5 } years, 1871-75 }	—	9.1	—	7.8	—	4.9	—	4.4	—	6.6	—	7.1	—	6.2	—	11.1	—	10.4	—	13.7	—	9.5	—	10.5	—	11.0	—	—	—	—	8.6	
Means for 5 } years, 1876-80 }	—	9.5	—	7.2	—	5.3	—	5.7	—	6.2	—	7.2	—	6.3	—	11.2	—	9.5	—	9.9	—	9.2	—	10.0	—	10.0	—	—	—	—	8.2	
1881 - - -	60	9.2	46	7.4	51	6.3	47	5.8	42	6.4	39	6.7	45	6.5	46	9.5	42	8.6	45	9.7	51	7.7	44	8.7	46	8.8	51	9.0	46	7.7		
1882 - - -	72	10.3	48	5.2	52	3.1	32	4.3	35	5.6	34	3.4	36	4.4	62	11.9	49	7.8	49	7.1	63	8.3	60	9.7	57	9.0	48	5.8	47	6.7		
1883 - - -	65	8.9	52	6.5	53	5.8	51	6.4	49	7.4	49	7.5	51	6.7	56	12.2	51	8.5	55	10.4	63	10.2	57	13.8	57	11.0	63	8.8	54	8.9		
1884 - - -	66	12.1	52	6.4	44	6.2	42	3.9	47	6.7	48	6.7	46	6.0	68	17.1	57	11.5	62	12.2	70	12.2	72	15.4	66	13.7	59	9.2	56	9.9		
1885 - - -	63	9.1	46	5.1	45	4.4	48	5.3	50	6.1	45	7.3	47	5.7	57	11.9	53	7.7	54	9.1	57	8.4	58	11.8	56	9.8	62	8.2	52	7.8		
Means for 5 } years, 1881-85 }	65	9.9	49	6.2	45	5.2	44	5.1	45	6.4	43	6.4	45	5.9	58	12.5	50	8.8	53	9.7	61	9.4	58	11.9	56	10.5	57	8.2	51	8.2		
1886 - - -	70	9.5	55	5.9	56	6.3	54	4.9	49	6.5	48	6.3	53	6.0	57	11.2	54	9.0	57	10.8	58	10.0	55	11.2	56	10.4	68	8.9	55	8.2		
1887 - - -	60	12.1	43	5.3	38	3.8	33	3.8	35	4.1	34	4.1	36	4.2	47	9.7	38	5.9	38	5.5	47	7.3	40	7.6	41	7.2	42	4.8	39	5.7		
1888 - - -	62	10.2	55	6.9	49	5.6	50	5.1	43	4.6	46	5.8	49	5.6	41	8.6	51	5.0	48	7.1	47	7.2	41	7.6	46	7.1	61	7.3	48	6.4		
1889 - - -	72	13.8	52	4.8	46	4.8	47	3.9	43	5.6	47	5.1	47	4.8	48	10.6	51	6.0	48	9.1	66	8.6	55	8.6	56	8.6	58	6.7	52	6.7		
1890 - - -	67	15.2	54	8.1	48	5.3	52	5.6	46	5.1	46	5.6	49	5.9	60	13.6	56	8.4	53	8.9	62	8.7	58	12.7	58	10.5	54	8.3	54	8.2		
Means for 5 } years, 1886-90 }	66	12.2	52	6.2	47	5.2	47	4.7	43	5.2	44	5.4	47	5.3	53	10.7	50	6.9	49	8.3	56	8.4	50	9.5	52	8.8	57	7.1	50	7.1		
1891 - - -	65	14.7	38	5.1	43	3.7	43	3.8	37	4.1	38	5.8	40	4.5	47	9.2	35	4.4	38	6.8	49	5.5	42	5.6	42	6.3	43	6.2	41	5.4		
1892 - - -	63	11.2	46	5.5	47	4.4	49	4.0	44	4.0	38	3.7	45	4.3	47	8.0	46	6.3	47	6.4	49	5.9	45	7.6	47	6.8	52	6.9	47	5.6		
1893 - - -	65	12.8	51	5.9	44	4.5	49	5.2	48	5.0	48	5.9	48	5.3	57	10.0	49	6.4	49	8.7	59	7.8	50	8.7	53	8.3	56	7.3	52	6.8		
1894 - - -	68	21.1	56	11.0	51	5.4	47	4.2	54	5.8	49	6.3	51	6.5	64	18.6	56	9.9	56	10.5	64	12.3	61	10.9	60	12.4	56	7.7	56	9.5		
Means for 29 } years, 1866-94 }	—	11.2	—	7.3	—	5.1	—	5.0	—	6.1	—	6.7	—	6.0	—	11.6	—	9.1	—	10.7	—	9.4	—	10.3	—	10.2	—	—	—	—	8.1	
Means for 5 } years, 1866-70 }	38.8	38.1	38.9	39.9	39.9	39.9	40.7	39.7	40.1	40.5	43.1	40.6	42.1	41.3	40.8	41.6	44.0	41.6	43.7	42.3	41.5	—	40.5	40.8	41.6	44.0	41.6	43.7	42.3	41.3		
Means for 5 } years, 1871-75 }	40.2	40.0	39.7	39.9	40.5	41.2	40.3	39.9	39.9	40.2	43.2	40.8	43.6	41.5	39.9	40.2	43.2	40.8	43.6	41.5	—	40.5	40.8	41.6	44.0	41.6	43.7	42.3	41.3			
Means for 5 } years, 1876-80 }	38.6	38.2	39.2	39.4	39.8	40.6	39.4	38.6	38.6	39.2	40.7	39.3	40.7	39.3	38.4	38.4	39.9	37.5	39.8	37.8	44.5	36.7	35.3	36.6	39.9	37.5	39.8	44.8	44.7	43.7		
1881 - - -	34.4	33.5	34.3	36.1	35.8	38.2	35.6	35.3	36.1	37.5	37.8	38.4	38.4	38.4	37.2	36.9	36.9	38.4	38.6	40.4	41.3	42.3	40.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7		
1882 - - -	41.8	42.9	42.8	42.1	42.6	43.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8		
1883 - - -	38.7	38.8	38.8	39.0	39.2	40.8	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3		
1884 - - -	40.7	41.2	41.9	42.4	42.6	43.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4		
1885 - - -	38.4	38.3	39.2	39.2	39.3	40.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3		
Means for 5 } years, 1881-85 }	38.8	38.9	39.4	39.8	39.9	41.4	39.9	39.9	39.9	39.9	41.4	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9		
1886 - - -	36.5	36.1	36.2	35.6	36.0	37.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2		
1887 - - -	39.4	39.2	39.7	37.5	37.8	38.7	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4		
1888 - - -	36.2	36.3	37.3	36.5	36.8	37.4	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9		
1889 - - -	38.5	38.6	38.6	37.5	38.2	39.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4		
1890 - - -	40.0	39.8	40.7	40.1	40.4	41.6	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5		
Means for 5 } years, 1886-90 }	38.1	38.0	38.3	37.4	37.8	38.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1		
1891 - - -	38.4	38.0	37.9	37.4	38.0	38.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9		
1892 - - -	36.3	36.1	36.9	36.3	36.6	38.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8		
1893 - - -	38.8	38.8	40.2	39.8	40.3	41.3	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1		
1894 - - -	39.2	38.8	39.8	40.0																												

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE TWENTY-NINE YEARS, 1866 TO 1894.

				Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	{	Driest	- - -	Ins. 4.2 in 1880 and 1887	Ins. 6.3 in 1891	Ins. 5.4 in 1891
		Wettest	- - -	9.0 in 1872	14.9 in 1872	12.0 in 1872
Temperature	{	Coldest	- - -	35.6 in 1881	37.8 in 1881	36.7 in 1881
		Warmest	- - -	42.8 in 1882	44.6 in 1882	43.7 in 1882

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE FIRST QUARTER, 1894.

1894.

YEAR AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.						
	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.	For the Month.	From Dec.31/93.					
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																															
January	-	22	22	19	19	19	19	18	18	22	22	19	19	19	21	21	19	19	20	20	21	21	21	21	20	20	21	21	20	20	
February	-	25	47	22	41	15	34	14	32	16	38	15	34	16	35	24	45	20	39	19	39	23	44	21	42	21	41	20	41	19	39
March	-	21	68	15	56	17	51	15	47	16	54	15	49	16	51	19	64	17	56	17	56	20	64	19	61	18	59	15	56	17	56
RAINFALL.—AMOUNTS IN INCHES.																															
January	-	5.89	5.89	2.92	2.92	1.52	1.52	1.56	1.56	1.72	1.72	2.48	2.48	2.04	2.04	5.30	5.30	2.40	2.40	3.36	3.36	4.36	4.36	4.36	4.49	3.98	3.98	4.00	4.00	3.01	3.01
February	-	8.77	14.66	5.25	8.17	2.65	4.17	1.16	2.72	2.41	4.13	2.06	4.54	2.71	4.75	8.14	13.44	4.25	6.65	3.69	7.05	4.52	8.89	3.12	7.61	4.74	8.72	1.83	5.83	3.73	6.74
March	-	6.47	21.13	2.86	11.03	1.25	5.42	1.43	4.15	1.68	5.81	1.78	6.32	1.80	6.55	5.16	18.60	3.27	9.92	3.43	10.48	3.37	12.25	3.28	10.89	3.70	12.42	1.85	7.68	2.75	9.49
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																															
January	-	18	18	19	19	31	31	35	35	41	41	46	46	34	34	34	34	43	43	81	81	43	43	80	89	58	58	97	97	46	46
February	-	16	34	16	35	37	68	57	92	59	100	68	114	47	81	31	65	54	97	80	161	62	105	102	191	66	124	113	210	57	103
March	-	114	148	145	180	154	222	196	288	191	291	184	298	174	255	135	200	171	268	181	342	173	278	191	382	170	294	203	413	172	275
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																															
January	-	149	149	185	185	166	166	195	195	183	183	165	165	179	179	124	124	133	133	118	118	135	135	110	110	124	124	70	70	152	152
February	-	147	296	161	346	128	294	140	335	132	315	79	244	128	307	91	215	87	220	61	179	94	229	56	166	78	202	23	93	103	255
March	-	124	420	147	493	113	407	102	437	114	429	56	300	106	413	95	310	82	282	49	228	82	311	42	208	66	268	1	94	86	341
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																															
January	-	19	19	35	35	36	36	46	46	40	40	56	56	43	43	32	32	35	35	55	55	38	38	48	48	42	42	69	69	43	43
February	-	23	42	58	93	72	108	111	157	86	126	103	159	86	129	45	77	53	88	85	140	55	93	65	113	61	103	96	165	74	117
March	-	137	179	190	292	194	302	188	345	177	303	195	354	191	320	185	262	163	251	211	351	171	264	180	293	182	285	219	384	187	304
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																															
January	-	10	16	17	16	16	20	16	18	19	24	22	19	17	15	14	16	21	24	25	18	18	22	21	19	20	29	31	19	19	
February	-	9	13	24	23	28	21	42	28	32	23	38	26	33	24	18	17	20	21	31	24	21	19	25	22	23	21	35	31	28	23
March	-	33	21	48	33	47	29	46	35	43	30	47	32	46	32	45	24	39	25	51	31	42	25	44	28	44	27	53	36	45	30

EXPLANATION OF TABLES.

TABLES I. and I.A. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-93. The whole of the values for 1878-93, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *January* are those for the first four weeks in the year; those for *February* are for the fifth to the eighth weeks; those for *March* are for the ninth to the thirteenth weeks.

The figures given in the columns headed "From Dec. 31/93" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1894.

VOL. XI. APPENDIX I.]
New Series.

SECOND QUARTER—APRIL TO JUNE.

Price 4d.

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE SECOND QUARTER OF THE TWENTY-NINE YEARS, 1866 TO 1894.

YEARS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.							
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.				
Means for 57 years, 1866-70 }	—	8.8	—	5.7	—	5.5	—	4.5	—	5.3	—	5.1	—	5.2	—	7.1	—	6.5	—	7.0	—	7.5	—	7.2	—	7.1	—	—	6.2			
Means for 57 years, 1871-75 }	—	8.5	—	6.5	—	5.5	—	5.5	—	6.4	—	6.4	—	6.1	—	7.3	—	7.4	—	7.9	—	7.5	—	6.2	—	7.3	—	—	6.7			
Means for 57 years, 1876-80 }	—	6.3	—	6.9	—	7.1	—	7.2	—	7.7	—	7.1	—	7.2	—	8.5	—	7.8	—	9.0	—	8.3	—	9.8	—	8.7	—	—	8.0			
1881	49	7.0	45	5.6	41	4.5	35	4.3	37	4.3	33	4.2	38	4.6	40	9.3	44	8.6	42	6.1	55	8.5	48	8.3	47	8.2	41	4.6				
1882	51	7.4	51	7.4	47	9.2	48	8.0	49	9.9	47	7.9	48	8.5	51	10.5	51	10.6	55	10.2	50	9.4	56	10.3	55	10.2	49	6.6				
1883	48	5.7	40	3.8	30	6.0	36	6.7	39	7.2	36	5.1	38	5.8	45	7.8	38	5.9	42	6.1	52	6.2	44	7.6	44	6.7	42	5.9				
1884	48	6.4	39	3.6	30	3.2	33	3.8	32	4.2	31	4.7	35	3.9	40	5.4	32	3.8	32	4.9	42	5.8	38	4.6	37	4.9	42	4.9				
1885	61	6.8	46	5.5	48	6.1	43	6.5	48	6.8	43	6.0	46	6.2	48	7.3	45	6.0	50	8.7	50	6.1	46	7.8	48	7.2	50	6.0				
Means for 57 years, 1881-85 }	51	6.7	44	5.2	43	5.8	39	5.9	41	6.5	38	5.6	41	5.8	47	8.1	42	7.0	44	7.2	52	7.2	46	7.7	46	7.4	45	5.6				
1886	59	6.7	46	6.4	46	6.1	43	5.2	50	9.4	45	6.4	46	6.7	48	8.8	49	9.4	46	7.3	50	7.9	50	8.2	49	8.3	50	6.2				
1887	45	6.2	32	3.7	33	3.0	35	3.6	31	4.0	31	3.8	32	3.6	34	5.8	27	3.8	29	3.5	29	4.5	26	3.3	29	4.2	35	3.8				
1888	50	8.5	44	7.1	43	5.1	43	5.1	41	6.0	42	6.2	43	5.9	49	11.4	43	6.4	46	7.5	50	9.8	49	10.1	47	9.0	50	6.6				
1889	50	4.9	42	5.8	39	5.0	43	7.3	41	8.1	41	5.7	41	6.4	44	7.7	40	6.8	40	5.9	45	7.2	46	7.6	43	7.0	39	5.2				
1890	58	8.5	52	5.6	41	4.7	41	4.5	40	4.7	42	6.3	43	5.2	50	10.1	45	6.0	51	8.1	54	6.3	58	8.5	52	7.8	55	7.7				
Means for 57 years, 1886-90 }	54	7.0	43	5.7	40	4.8	41	5.1	41	6.4	40	5.7	41	5.5	45	8.8	41	6.5	42	6.5	46	7.1	46	7.5	44	7.3	46	5.9				
1891	45	6.3	36	4.4	35	4.3	41	5.5	43	6.7	38	4.8	39	5.1	36	5.0	39	5.9	42	7.2	46	6.1	45	8.4	42	6.5	41	6.2				
1892	59	9.1	51	6.4	51	7.3	42	6.1	38	5.5	31	3.7	43	5.8	49	10.0	50	8.3	37	4.6	53	9.6	46	8.0	47	8.1	37	4.8				
1893	41	5.2	36	5.1	28	3.2	22	2.3	23	3.1	20	1.7	26	3.1	30	5.4	27	4.2	21	3.0	31	4.9	30	4.8	28	4.5	17	2.1				
1894	47	6.1	49	6.6	54	7.2	48	7.1	45	5.9	44	5.8	48	6.5	53	8.3	55	7.0	51	7.5	56	8.0	53	9.7	54	8.1	53	6.7				
Means for 29 years, 1890-94 }	—	7.3	—	5.9	—	5.7	—	5.6	—	6.3	—	5.7	—	5.8	—	7.8	—	6.9	—	7.2	—	7.5	—	7.7	—	7.4	—	—	6.6			
Means for 57 years, 1866-70 }	48.5		50.4		49.8		52.7		53.1		53.1		51.8		51.3		51.8		53.9		52.5		53.0		52.5		—		52.2			
Means for 57 years, 1871-75 }	49.2		49.8		49.6		51.0		52.0		52.1		50.9		51.1		51.3		53.0		51.6		53.3		52.1		—		51.5			
Means for 57 years, 1876-80 }	47.2		48.9		49.4		51.1		51.3		51.9		50.5		50.2		50.5		52.0		50.1		52.0		51.0		—		50.8			
1881	46.8		50.1		50.6		52.6		52.9		53.5		51.9		50.8		51.8		52.5		51.8		52.8		51.9		53.4		51.9			
1882	47.5		49.4		50.4		52.4		52.2		53.8		51.6		50.7		51.8		52.4		51.2		52.2		51.7		53.9		51.7			
1883	47.3		50.1		50.2		52.1		52.2		52.9		51.5		50.0		51.0		51.7		50.5		51.5		50.9		52.6		51.2			
1884	46.8		49.4		50.0		51.2		51.4		52.4		50.9		50.1		50.6		51.5		50.6		51.8		50.9		52.6		50.9			
1885	45.8		48.6		49.0		50.5		50.2		51.8		50.0		48.3		49.0		50.0		48.7		49.6		49.1		51.1		49.6			
Means for 57 years, 1881-85 }	46.8		49.5		50.0		51.8		51.8		52.9		51.2		50.0		50.8		51.6		50.6		51.6		50.9		52.7		51.1			
1886	45.0		47.8		47.9		50.5		50.5		52.0		49.7		48.1		49.4		51.2		48.9		50.8		49.7		52.1		49.7			
1887	48.4		50.5		50.3		51.4		52.0		52.4		51.3		51.0		51.2		52.6		52.2		53.3		52.1		53.2		51.7			
1888	46.5		47.6		48.4		50.5		50.5		51.1		49.6		49.4		49.9		50.8		50.0		51.8		50.4		51.9		50.0			
1889	49.7		50.9		51.3		53.1		53.4		54.7		52.7		51.9		52.6		53.0		51.7		52.4		52.3		54.0		52.5			
1890	48.0		49.2		49.8		51.4		51.2		52.6		50.8		50.2		51.0		52.0		50.9		52.1		51.2		52.9		51.0			
Means for 57 years, 1886-90 }	47.6		49.2		49.5		51.4		51.5		52.6		50.8		50.1		50.8		51.9		50.7		52.1		51.1		52.8		51.0			
1891	47.5		48.2		48.8		50.7		50.8		52.3		50.2		50.1		50.5		51.5		50.5		51.7		50.9		53.0		50.6			
1892	46.8		48.2		49.6		51.6		51.6		52.5		50.7		49.6		50.8		51.8		50.6		52.2		51.0		53.6		50.9			
1893	51.0		52.0		52.0		54.2		55.3		56.3		54.0		53.6		54.9		56.5		54.8		56.1		55.2		57.6		54.6			
1894	48.4		48.3		49.3		51.5		51.4		53.2		50.7		56.0		51.2		52.1		50.5		52.2		51.2		53.8		51.0			
Means for 29 years, 1890-94 }	47.8		49.5		49.7		51.7		52.0		52.7		51.1		50.6		51.2		52.6		51.2		52.5		51.6		—		51.4			

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE TWENTY-NINE YEARS, 1866 TO 1894.

		Wheat Districts.		Grazing, &c. Districts.		Generally.	
Rainfall	{ Driest	Ins.		Ins.		Ins.	
	{ Wettest	3.1 in 1870 and 1893 9.4 in 1879		4.2 in 1887 { 10.3 in 1872 and 1878 } { 10.2 in 1879 and 1882 }		3.8 in 1893 9.8 in 1879	
Temperature	{ Coldest	48.4 in 1879		49.1 in 1879 and 1882		48.8 in 1879	
	{ Warmest	51.0 in 1868 and 1893		55.2 in 1893		54.6 in 1893	

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE SECOND QUARTER, 1894.

1894.

YEAR AND MONTHS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.					
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR THE GRAZING, &c. DISTRICTS.				
	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.	For the Month.	From Dec. 31 '93.			For the Month.	From Dec. 31 '93.			
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																															
April	-	9	77	13	69	14	65	14	61	13	67	13	62	13	64	17	81	15	71	15	71	19	83	21	82	17	76	16	72	15	71
May	-	20	97	18	87	18	83	16	77	13	80	13	75	16	80	15	96	17	88	15	86	18	101	15	97	16	92	16	88	16	87
June	-	18	115	18	105	22	105	18	95	19	99	18	93	19	99	21	117	23	111	21	107	19	120	17	114	20	112	21	109	20	107
RAINFALL.—AMOUNTS IN INCHES.																															
April	-	0.65	21.78	1.21	12.24	1.10	6.52	2.00	6.45	1.78	7.59	1.76	8.08	1.57	8.12	2.02	20.62	1.54	11.46	2.24	12.72	2.66	14.91	4.47	15.36	2.59	15.01	2.79	10.47	2.08	11.57
May	-	2.56	24.34	2.49	14.73	1.58	8.10	2.03	8.18	1.60	9.19	1.35	9.43	1.81	9.93	2.48	13.10	2.48	13.94	2.26	14.98	2.36	17.27	2.55	17.91	2.43	17.44	2.03	12.50	2.12	13.69
June	-	2.90	27.24	2.88	17.61	4.48	12.58	3.11	11.29	2.50	11.69	2.67	12.10	3.13	13.06	3.81	16.91	2.94	16.88	2.99	17.97	2.99	20.26	2.69	20.60	3.08	20.52	1.87	14.37	3.11	16.86
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																															
April	-	174	322	159	339	154	376	208	496	229	520	248	546	200	455	185	386	207	475	213	555	188	466	208	590	200	494	271	684	200	475
May	-	187	459	156	495	157	533	213	709	216	736	247	793	198	653	171	557	188	663	227	782	176	642	236	826	200	694	268	952	199	674
June	-	341	800	352	847	384	917	451	1160	458	1194	489	1282	427	1080	391	948	431	1094	452	1234	399	1041	460	1286	427	1121	508	1460	427	1101
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																															
April	-	27	447	44	537	23	430	16	453	26	455	0	300	22	435	12	322	5	289	1	229	5	318	1	209	5	273	0	94	14	355
May	-	42	489	37	574	21	451	14	467	20	475	3	303	19	454	19	341	11	300	7	236	14	332	8	217	12	285	0	94	16	371
June	-	6	495	7	581	4	455	4	471	8	483	0	303	5	459	4	345	0	300	0	236	2	334	0	217	1	286	0	94	3	374
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																															
April	-	152	331	115	407	129	431	139	484	143	446	160	514	137	457	125	387	138	389	181	532	111	375	129	422	137	422	178	562	137	441
May	-	155	486	157	564	149	580	159	643	148	594	173	687	157	614	175	562	145	534	176	708	159	534	168	590	165	587	193	755	161	602
June	-	193	679	180	744	165	745	190	833	179	773	214	901	186	800	191	753	189	723	213	921	176	710	197	787	193	780	242	997	190	792
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																															
April	-	39	29	29	36	33	35	37	39	38	35	42	38	36	37	32	30	36	33	48	39	28	31	34	33	36	33	47	45	36	35
May	-	34	32	35	36	34	35	37	37	34	34	41	38	36	36	40	32	33	33	41	39	36	31	39	33	38	34	46	44	37	35
June	-	32	36	30	36	28	33	33	36	31	34	38	37	32	35	32	32	32	33	38	39	30	31	34	34	33	34	44	44	33	35

EXPLANATION OF TABLES.

TABLES I. and I.A. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-93. The whole of the values for 1878-94, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *April* are those for the fourteenth to seventeenth weeks in the year; those for *May* are for the eighteenth to the twenty-first weeks; those for *June* are for the twenty-second to the twenty-sixth weeks of the year.

The figures given in the columns headed "From Dec. 31/93" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1894.

VOL. XI. APPENDIX I.]
New Series.

THIRD QUARTER—JULY TO SEPTEMBER.

Price 4d.

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE THIRD QUARTER OF THE TWENTY-NINE YEARS, 1866 TO 1894.

YEARS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.							
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.						
Means for 5 years, 1866-70	—	10.6	—	8.8	—	6.3	—	6.1	—	7.4	—	7.3	—	7.2	—	10.9	—	9.9	—	10.1	—	9.8	—	8.8	—	9.8	—	—	—	8.6		
Means for 5 years, 1871-75	—	13.1	—	10.7	—	8.4	—	7.5	—	9.1	—	8.0	—	8.7	—	13.2	—	12.9	—	14.1	—	12.2	—	10.8	—	12.6	—	—	—	10.7		
Means for 5 years, 1876-80	—	9.0	—	8.9	—	9.2	—	9.0	—	10.1	—	8.7	—	9.2	—	11.7	—	12.3	—	11.6	—	11.1	—	10.7	—	11.5	—	—	—	10.4		
1881	49	6.5	50	9.1	51	10.3	51	8.5	47	8.3	47	8.2	49	8.9	55	10.4	50	11.0	49	9.4	63	8.6	55	10.3	54	9.9	51	7.8	53	9.4		
1882	60	8.2	57	8.0	56	6.9	48	7.0	55	8.1	49	7.2	53	7.4	57	12.3	55	11.5	57	13.2	65	11.5	59	11.1	59	11.9	59	8.1	56	9.7		
1883	59	8.5	57	10.1	54	8.3	52	8.1	50	8.9	49	6.7	52	8.4	54	12.2	51	9.8	58	10.1	61	11.4	57	12.3	56	11.3	62	9.5	54	9.9		
1884	53	7.8	48	6.3	35	5.3	38	7.4	40	6.2	44	5.9	41	6.2	55	12.3	48	9.0	52	8.6	59	10.2	48	7.1	52	9.4	52	7.1	47	7.8		
1885	59	8.1	45	6.0	36	5.7	36	6.2	35	5.9	33	5.1	37	5.8	40	11.6	43	7.8	42	8.8	51	9.9	46	9.9	46	9.6	45	5.7	42	7.7		
Means for 5 years, 1881-85	56	7.8	51	7.9	46	7.3	45	7.4	45	7.5	44	6.6	46	7.3	53	11.8	49	9.8	52	10.0	60	10.3	53	10.2	53	10.4	54	7.6	50	8.9		
1886	59	8.7	43	5.0	41	6.8	38	6.5	39	6.4	35	5.8	39	6.1	48	11.4	42	10.3	40	9.3	54	9.3	53	10.9	47	10.2	48	7.2	43	8.2		
1887	63	10.3	53	7.6	44	6.1	42	5.4	35	5.2	35	5.8	42	6.0	49	10.8	43	7.1	37	7.3	54	10.5	46	7.9	40	8.7	45	6.2	44	7.4		
1888	55	9.3	52	7.1	49	9.2	53	8.4	48	7.9	46	7.9	50	8.1	53	10.6	50	10.5	53	11.0	54	10.3	44	9.3	51	10.3	51	8.6	51	9.2		
1889	58	11.0	51	8.8	48	7.7	48	9.1	44	7.8	41	6.6	46	8.0	51	10.8	48	10.2	50	9.1	55	11.9	50	9.8	52	10.4	47	6.0	49	9.2		
1890	65	12.1	54	8.4	48	8.3	44	7.2	47	6.6	44	8.6	47	7.8	54	12.0	53	9.2	52	9.8	65	10.2	55	8.4	56	9.9	44	8.1	52	8.9		
Means for 5 years, 1886-90	60	10.3	51	7.4	46	7.6	45	7.3	43	6.8	40	6.9	45	7.2	51	11.1	47	9.5	46	9.3	58	10.4	50	9.2	50	9.9	46	7.2	48	8.6		
1891	71	15.9	59	11.7	51	8.8	51	8.5	52	7.9	52	9.0	53	9.2	62	14.9	55	13.8	56	12.9	66	11.3	56	11.0	59	12.8	51	9.7	56	11.0		
1892	66	15.0	51	8.3	44	6.6	40	8.2	46	7.5	44	8.4	45	7.8	53	15.5	53	12.1	51	10.0	62	12.0	53	13.2	54	12.5	43	7.2	50	10.2		
1893	70	15.7	55	8.1	49	6.8	45	5.9	43	6.0	43	7.0	47	6.8	53	11.3	54	10.4	47	9.9	60	11.2	52	8.7	53	10.3	51	9.8	50	8.6		
1894	53	10.5	48	8.9	49	6.2	54	7.6	44	6.8	51	9.2	49	7.7	40	7.3	44	8.0	52	10.7	51	6.8	45	8.8	47	8.3	54	11.9	48	8.0		
Means for 29 years, 1866-94	—	10.7	—	8.8	—	7.7	—	7.5	—	8.0	—	7.6	—	7.9	—	11.8	—	10.9	—	11.0	—	10.7	—	10.9	—	10.9	—	—	—	9.4		
Means for 5 years, 1866-70	54.4		57.1		57.0		59.7		59.7		60.1		58.7		57.9		59.0		61.0		58.5		59.5		59.2		—		59.0			
Means for 5 years, 1871-75	54.5		56.7		57.5		59.7		59.6		60.0		58.7		57.7		58.5		60.4		57.2		58.8		58.5		—		53.6			
Means for 5 years, 1876-80	54.1		56.4		57.6		59.6		59.3		60.3		58.6		57.2		58.1		59.9		56.8		59.0		58.2		—		55.4			
1881	52.1		56.8		56.8		58.6		57.7		59.4		57.9		54.8		56.4		57.5		55.8		56.4		55.2		59.8		57.1			
1882	54.2		56.6		57.7		58.2		57.1		58.8		57.7		56.0		56.8		57.4		55.9		56.2		56.5		58.9		57.1			
1883	52.9		55.8		56.9		58.5		57.7		59.5		57.7		55.9		57.2		57.5		55.8		56.9		56.7		59.1		57.2			
1884	54.5		57.5		59.1		61.8		60.7		62.4		60.3		58.2		59.6		60.5		57.9		59.0		59.0		61.7		59.7			
1885	51.7		55.0		56.2		58.0		57.7		59.6		57.3		54.8		56.2		57.7		55.7		57.3		56.3		59.6		56.8			
Means for 5 years, 1881-85	53.1		56.3		57.3		59.0		58.2		59.9		58.1		55.9		57.2		58.1		56.2		57.2		56.9		59.8		57.6			
1886	52.4		56.1		58.1		60.2		59.7		61.3		59.1		55.8		57.5		59.4		56.5		58.2		57.5		61.0		58.3			
1887	62.9		55.8		57.1		59.1		58.2		59.7		58.0		55.6		57.5		58.7		56.5		58.4		57.3		61.2		57.7			
1888	51.7		53.2		54.4		57.1		55.8		58.0		55.7		54.2		55.4		56.7		55.0		56.2		55.5		58.9		55.6			
1889	53.2		54.7		54.4		58.1		57.5		59.4		57.2		55.5		56.9		58.0		58.1		57.5		56.8		60.3		57.0			
1890	53.8		55.7		57.7		58.8		58.1		59.8		58.0		56.1		57.5		58.1		56.5		57.6		57.2		59.2		57.6			
Means for 5 years, 1886-90	52.8		55.1		56.7		58.7		57.9		59.6		57.6		55.4		57.0		58.2		56.1		57.6		56.9		60.1		57.3			
1891	54.0		55.7		57.0		58.4		57.5		59.2		57.6		56.1		57.4		57.4		56.6		57.3		57.0		59.8		57.3			
1892	52.1		53.5		55.4		57.6		56.5		59.2		56.4		54.4		56.2		57.6		55.1		57.0		56.1		60.6		56.3			
1893	55.0		56.3		58.4		60.5		60.2		61.7		59.4		57.3		59.9		60.4		58.1		59.5		59.0		52.7		59.2			
1894	54.5		55.1		56.5		58.0		57.2		59.3		57.2		55.5		57.2		57.6		55.9		56.7		56.6		60.1		56.9			
Means for 29 years, 1866-94	53.8		56.2		57.2		59.2		58.8		60.0		58.3		56.7		57.9		59.3		56.9		58.3		57.8		—		58.1			

RAINFALL
(in Inches).

MEAN TEMPERATURE
(in Degrees Fahrenheit).

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE TWENTY-NINE YEARS, 1866 TO 1894.

Rainfall				Wheat Districts.				Grazing, &c. Districts.				Generally.			
				Ins.				Ins.				Ins.			
				4.9 in 1870				6.4 in 1870				5.7 in 1870			
				10.6 in 1879				14.2 in 1872				12.4 in 1879			
				55.7 in 1888				55.5 in 1888				55.6 in 1888			
				60.9 in 1868				60.8 in 1868				60.9 in 1868			

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE THIRD QUARTER, 1894.

1894.

YEAR AND MONTHS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.						
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.				10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.			
	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.			For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.		
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
July - -	18	133	17	122	15	120	17	112	15	114	18	111	16	115	15	132	16	127	21	128	22	142	21	135	19	131	20	129	18	125
August -	19	152	17	139	19	139	21	133	19	133	19	130	19	134	16	148	21	148	21	149	22	164	18	153	20	151	21	150	20	145
September -	16	168	14	153	15	154	16	149	10	143	14	144	14	148	9	157	7	155	10	159	10	174	6	159	8	159	13	163	11	156
RAINFALL.—AMOUNTS IN INCHES.																														
July - -	4'57	31'81	3'57	21'18	2'27	14'85	3'12	14'41	2'46	14'15	3'80	15'90	3'04	16'10	2'93	27'84	2'86	19'74	4'20	22'17	3'70	23'96	3'88	14'48	3'51	24'03	5'46	19'83	3'28	20'08
August -	5'27	37'08	4'40	25'58	2'40	17'34	2'43	16'84	2'77	16'92	3'00	18'90	3'02	19'12	4'07	33'91	4'46	24'20	4'12	26'29	2'64	26'60	3'98	28'46	3'85	27'87	3'95	23'78	3'44	23'52
September -	0'70	37'78	0'90	26'48	1'46	18'80	2'06	18'90	1'56	18'48	2'36	21'26	1'67	20'79	0'32	34'23	0'63	24'83	2'39	28'68	0'45	27'05	0'96	29'42	0'95	28'82	2'40	26'27	1'31	24'83
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																														
July - -	425	1225	435	1282	496	1403	508	1669	499	1693	531	1813	492	1572	442	1390	493	1587	469	1702	437	1481	452	1739	439	1580	515	1975	476	1577
August -	367	1592	385	1667	419	1822	473	2142	438	2131	510	2323	445	2017	403	1793	445	2032	452	2154	415	1896	437	2176	430	2010	511	2486	438	2015
September -	316	1908	333	2000	384	2206	433	2575	403	2534	499	2812	410	2427	352	2145	418	2450	468	2622	379	2275	413	2589	406	2416	506	3082	408	2423
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																														
July - -	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374
August -	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374
September -	2	497	1	582	0	455	0	471	0	483	0	303	0	459	1	346	0	302	0	236	1	335	0	217	0	286	0	94	0	374
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
July - -	120	799	139	883	172	917	165	998	156	929	179	1080	162	963	159	912	130	873	154	1075	130	840	126	913	144	924	160	1157	153	945
August -	96	895	129	1012	114	1031	133	1131	103	1032	114	1194	119	1081	138	1050	96	969	106	1181	105	945	91	1004	107	1031	133	1290	113	1058
September -	113	1008	122	1134	127	1158	137	1268	131	1163	163	1357	136	1217	158	1208	129	1098	209	1390	133	1078	148	1152	155	1186	225	1515	146	1204
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
July - -	25	35	30	35	37	34	37	38	35	35	40	39	36	36	35	33	33	35	35	39	29	31	28	34	32	34	36	44	34	35
August -	22	35	31	35	27	33	32	36	25	33	28	37	29	35	33	33	23	34	26	38	25	31	22	33	26	34	33	42	28	35
September -	26	33	27	34	29	33	31	36	29	33	36	37	30	35	35	33	29	33	46	38	30	30	34	33	35	33	51	43	33	34

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-93. The whole of the values for 1878-94, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for July are those for the twenty-seventh to the thirtieth weeks in the year; those for August are for the thirty-first to the thirty-fourth weeks; those for September are for the thirty-fifth to the thirty-ninth weeks.

The figures given in the columns headed "From Dec. 31/93" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1894.

VOL. XI. APPENDIX I.
New Series.

FOURTH QUARTER—OCTOBER TO DECEMBER.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FOURTH QUARTER OF THE TWENTY-NINE YEARS, 1866 TO 1894.

YEARS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.							
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.						
Means for 50 years, 1866-70	—	18.4	—	8.8	—	7.7	—	7.4	—	7.6	—	8.3	—	8.0	—	12.9	—	14.7	—	14.6	—	12.6	—	10.5	—	13.1	—	—	—	—	10.6	
Means for 50 years, 1871-75	—	17.2	—	10.4	—	7.7	—	7.2	—	7.9	—	9.9	—	8.6	—	13.1	—	13.3	—	16.3	—	11.1	—	12.1	—	15.2	—	—	—	—	10.9	
Means for 50 years, 1876-80	—	13.8	—	9.1	—	8.1	—	7.2	—	8.1	—	9.5	—	8.4	—	12.8	—	12.0	—	14.1	—	11.0	—	11.3	—	12.2	—	—	—	—	10.3	
1881	64	11.2	58	7.2	54	7.2	60	8.5	51	8.6	52	9.5	55	8.2	56	15.8	54	11.9	59	14.2	65	12.1	62	13.4	59	13.5	65	12.6	57	10.9		
1882	71	11.9	67	11.4	72	11.2	69	11.7	71	13.0	67	12.3	69	12.0	63	16.9	67	13.2	74	19.8	65	12.5	68	14.8	67	15.4	83	19.0	64	13.7		
1883	75	14.8	48	5.8	53	5.8	60	7.6	52	7.4	49	7.2	52	6.8	66	18.4	57	11.3	62	11.8	71	12.2	60	11.1	63	13.0	63	10.3	58	9.9		
1884	68	14.6	52	6.9	44	5.1	50	6.9	47	5.3	42	6.0	47	6.0	52	16.1	51	8.7	57	10.2	64	13.2	54	9.3	56	11.6	62	8.7	52	8.8		
1885	63	11.0	45	4.6	51	7.0	55	9.2	52	8.3	50	9.0	51	7.7	52	11.8	50	9.8	59	12.7	54	8.9	59	10.1	55	10.7	62	11.3	51	9.2		
Means for 50 years, 1881-85	68	12.7	54	7.2	55	7.3	59	8.8	55	8.6	52	8.0	55	8.2	58	15.8	56	11.0	62	13.7	64	11.8	61	11.8	60	12.8	67	12.4	58	10.5		
1886	75	14.3	60	7.8	56	10.0	58	9.5	64	10.9	67	14.4	61	10.5	65	16.8	69	14.3	75	19.1	71	15.5	69	16.0	70	16.3	85	16.3	66	13.4		
1887	73	13.0	55	7.8	59	7.7	56	6.3	47	5.9	50	7.8	53	7.1	51	12.4	55	8.1	55	12.0	57	10.0	47	9.7	53	10.4	64	11.9	53	8.8		
1888	69	15.9	57	9.3	46	5.7	42	5.6	43	8.4	50	8.6	48	7.5	57	16.8	50	10.1	61	14.0	63	13.8	61	13.0	60	10.2	60	10.2	55	10.3		
1889	65	12.3	52	6.6	49	6.6	51	6.0	47	5.3	46	8.2	49	6.5	58	13.3	58	9.4	50	11.8	61	10.8	59	11.6	58	11.4	66	12.2	54	9.0		
1890	74	19.3	62	10.8	56	6.7	46	5.4	49	5.6	48	4.9	52	6.7	60	17.1	56	11.4	62	11.3	65	13.6	58	11.8	60	13.0	63	8.9	56	9.9		
Means for 50 years, 1886-90	71	15.0	57	8.5	53	7.3	51	6.6	50	7.2	52	8.8	53	7.7	58	15.3	59	10.7	62	13.6	64	12.1	59	12.6	60	12.9	69	11.9	57	10.3		
1891	61	15.9	51	9.7	52	7.8	62	9.0	60	11.4	62	13.6	57	10.3	60	20.8	58	14.2	64	18.2	64	12.4	61	16.5	61	16.4	66	14.6	59	13.4		
1892	65	14.5	53	8.0	55	7.3	49	8.9	48	6.1	47	8.6	50	7.8	57	13.0	56	10.5	57	10.1	68	10.5	59	11.3	59	11.1	63	10.3	55	9.5		
1893	76	24.2	57	8.2	52	5.9	55	7.7	50	6.7	51	8.9	53	7.5	65	16.4	61	10.4	56	12.1	65	10.1	57	10.4	61	11.9	61	9.2	57	9.7		
1894	66	15.8	48	7.4	54	7.0	56	7.7	53	8.9	52	10.8	53	8.4	62	15.3	58	11.4	55	16.2	60	10.9	53	14.1	58	13.6	58	12.3	56	11.0		
Means for 29 years, 1866-94	—	15.7	—	8.7	—	7.6	—	7.6	—	8.0	—	9.3	—	8.2	—	14.3	—	12.2	—	14.4	—	11.6	—	11.9	—	12.9	—	—	—	—	10.6	
Means for 50 years, 1866-70	42.1	42.1	42.5	43.6	43.4	44.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.8	47.0	44.0	45.2	44.6	—	—	—	—	—	—	—	—	43.9		
Means for 50 years, 1871-75	42.4	41.8	42.7	42.9	42.8	43.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.7	43.6	46.3	43.3	45.4	44.3	—	—	—	—	—	—	—	—	—	43.6		
Means for 50 years, 1876-80	41.7	41.6	42.3	42.9	42.4	44.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.9	43.7	47.1	43.6	45.6	44.6	—	—	—	—	—	—	—	—	—	43.7		
1881	43.2	43.0	43.2	43.5	43.2	45.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	44.3	44.5	47.7	44.3	46.8	45.5	49.3	44.6	—	—	—	—	—	—	—	44.6		
1882	41.3	40.1	43.6	43.5	42.8	45.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.2	44.0	46.5	42.8	44.6	44.0	49.3	43.5	—	—	—	—	—	—	—	43.5		
1883	42.4	43.0	43.8	44.2	43.8	45.6	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.3	45.0	46.9	44.6	46.5	45.5	49.5	44.8	—	—	—	—	—	—	—	44.8		
1884	44.4	42.6	43.8	43.6	43.3	45.3	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.8	44.4	46.2	44.1	45.1	44.7	49.3	44.2	—	—	—	—	—	—	—	44.2		
1885	41.5	41.5	42.6	42.3	41.9	44.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.9	42.7	45.0	43.7	45.1	43.9	48.3	43.2	—	—	—	—	—	—	—	43.2		
Means for 50 years, 1881-85	42.6	42.0	43.4	43.4	43.0	45.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	44.1	46.5	43.9	45.6	44.7	49.1	44.1	—	—	—	—	—	—	—	44.1		
1886	42.6	42.5	43.6	43.9	43.5	45.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.4	44.7	46.3	44.2	45.8	43.1	49.8	44.5	—	—	—	—	—	—	—	44.5		
1887	39.2	39.4	40.3	40.2	39.9	41.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.7	41.3	42.7	41.8	42.8	41.9	46.5	41.1	—	—	—	—	—	—	—	41.1		
1888	43.2	43.4	44.1	43.9	43.8	46.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	45.1	45.3	47.1	45.5	47.0	43.0	50.6	45.2	—	—	—	—	—	—	—	45.2		
1889	43.1	42.2	43.1	43.0	42.7	44.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	44.4	44.1	45.8	45.0	46.2	45.1	49.1	44.2	—	—	—	—	—	—	—	44.2		
1890	42.3	41.5	42.1	40.5	40.4	42.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	43.3	42.6	44.0	44.3	45.6	44.0	47.5	42.7	—	—	—	—	—	—	—	42.7		
Means for 50 years, 1886-90	42.1	41.8	42.6	42.3	42.1	44.1	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	43.6	43.6	45.2	44.2	45.5	44.4	48.7	43.5	—	—	—	—	—	—	—	43.5		
1891	42.0	40.8	42.3	43.6	42.5	45.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.4	43.7	45.9	43.3	44.8	44.2	49.4	43.6	—	—	—	—	—	—	—	43.6		
1892	40.2	39.1	40.9	41.5	40.5	43.5	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.5	42.1	44.5	42.9	44.6	43.1	48.2	42.1	—	—	—	—	—	—	—	42.1		
1893	41.9	42.0	44.0	43.9	43.4	45.3	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.1	45.3	46.0	44.0	45.5	45.0	49.4	44.4	—	—	—	—	—	—	—	44.4		
1894	44.0	42.7	44.7	45.5	45.2	47.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.6	46.7	48.0	45.6	47.3	46.6	51.2	45.9	—	—	—	—	—	—	—	45.9		
Means for 29 years, 1866-94	42.2	41.8	42.7	43.1	42.8	44.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.2	43.9	46.4	43.8	45.5	44.6	—	—	—	—	—	—	—	—	—	43.8		

RAINFALL
(in Inches).

MEAN TEMPERATURE
(in Degrees Fahrenheit).

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE TWENTY-NINE YEARS, 1866 TO 1894.

		Wheat Districts.		Grazing, &c. Districts.		Generally.	
Rainfall	Driest	Ins.	3.4 in 1879	Ins.	5.0 in 1879	Ins.	4.2 in 1879
	Wettest	Ins.	13.1 in 1872	Ins.	18.6 in 1872	Ins.	15.9 in 1872
Temperature	Coldest	Ins.	40.3 in 1887	Ins.	41.9 in 1887	Ins.	41.1 in 1887
	Warmest	Ins.	45.6 in 1866	Ins.	47.0 in 1866	Ins.	46.3 in 1866

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE FOURTH QUARTER, 1894.

1894.

YEAR AND MONTHS.	Principal Wheat-producing Districts.													Principal Grazing, &c. Districts.										CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.	
	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.	For the Month.	From Dec. 31/93.

RAINFALL.—NUMBERS OF DAYS WITH RAIN.

October	15	183	15	168	20	174	20	169	16	159	14	158	17	165	12	169	12	167	11	170	13	187	11	170	12	171	14	177	15	171
November	24	207	17	185	17	191	18	187	20	179	22	180	10	184	25	194	23	190	23	193	24	211	24	194	24	195	22	199	22	193
December	27	234	16	201	17	208	18	205	17	196	16	196	17	201	25	219	23	213	21	214	23	234	18	212	22	217	22	221	20	213

RAINFALL.—AMOUNTS IN INCHES.

October	2'31	40'09	2'20	28'68	3'06	32'76	2'05	20'95	2'43	20'91	2'49	23'75	2'63	23'42	2'80	37'03	4'12	28'95	3'38	32'06	3'48	30'53	3'90	33'32	3'54	32'36	2'54	28'81	3'09	27'92
November	6'11	46'20	2'81	31'49	1'61	24'37	3'78	24'73	4'37	25'28	6'20	29'95	3'75	27'17	7'50	44'53	3'79	32'74	9'01	41'07	3'84	34'37	6'34	39'86	6'14	38'50	7'06	35'87	4'95	32'87
December	7'39	53'59	2'42	33'91	1'39	25'76	1'88	26'61	2'13	27'41	2'11	32'06	1'92	29'16	5'04	49'57	3'49	36'23	3'78	44'85	3'60	37'97	3'70	43'56	3'92	42'42	2'68	38'55	2'96	35'83

ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.

October	141	2049	144	2144	179	2385	221	2796	199	2733	253	3030	200	2627	184	2330	207	2655	251	2873	212	2486	224	2812	216	2631	353	3435	208	2631
November	123	2172	116	2260	141	2526	178	2969	167	2900	226	3306	165	2792	158	2488	188	2843	210	3083	152	2638	159	3001	179	2810	294	3729	172	2803
December	79	2251	54	2314	69	2595	67	3036	83	2983	97	3403	74	2866	117	2605	107	2950	124	3208	105	2743	144	3145	119	2929	106	3925	97	3900

ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.

October	53	550	64	646	15	470	9	480	16	499	7	310	22	481	35	381	7	309	5	241	22	357	11	228	16	302	0	94	19	393
November	21	571	49	693	18	488	25	505	20	519	5	315	23	504	9	390	4	313	0	241	26	383	12	240	10	312	0	94	17	410
December	100	671	158	853	102	590	120	625	100	619	73	388	111	615	59	449	55	368	39	280	65	448	44	284	32	364	3	97	82	492

BRIGHT SUNSHINE.—NUMBERS OF HOURS.

October	78	1086	72	1206	52	1210	66	1334	53	1216	74	1431	63	1280	64	1272	63	1161	100	1490	78	1156	85	1237	78	1264	113	1628	71	1275
November	21	1107	58	1264	42	1252	80	1414	65	1281	86	1517	66	1346	50	1322	41	1202	60	1550	70	1226	72	1309	59	1323	69	1697	63	1338
December	22	1129	32	1296	53	1305	45	1459	44	1325	62	1579	47	1393	32	1354	28	1230	60	1610	36	1262	57	1366	43	1366	66	1763	45	1383

BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.

October	27	32	25	34	17	32	22	35	18	32	25	35	21	34	22	32	21	33	33	38	26	30	28	32	26	33	38	43	24	34
November	9	32	25	34	17	31	33	34	26	31	35	35	27	33	22	32	17	32	24	37	29	30	29	32	24	33	27	42	26	33
December	9	31	13	33	21	30	17	34	16	30	22	34	18	32	13	31	11	31	22	36	14	29	21	31	16	32	23	42	17	52

EXPLANATION OF TABLES.

TABLES I. and I.A. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-93. The whole of the values for 1878-94, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *October* are those for the fortieth to the forty-third weeks in the year; those for *November* are for the forty-fourth to the forty-seventh weeks; those for *December* are for the forty-eighth to the fifty-second weeks.

The figures given in the columns headed "From Dec. 31/93" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing, &c. Districts" the values for the "Channel Islands," are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

SUMMARY OF THE WEEKLY WEATHER REPORT, 1894.

VOL. XI. APPENDIX I.
New Series.

VALUES FOR THE WHOLE YEAR.

[Price 4d.]

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE WHOLE YEAR DURING THE TWENTY-NINE YEARS, 1866 TO 1894.

YEARS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.										CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.			
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR THE GRAZING, &c. DISTRICTS.	
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.		
Means for 50 years, 1866-70	—	50.4	—	32.9	—	25.0	—	23.8	—	27.3	—	29.2	—	27.6	—	43.5	—	42.9	—	45.4	—	41.7	—	37.4	—	42.2	—	—	—	34.9
Means for 50 years, 1871-75	—	47.8	—	35.4	—	26.5	—	24.6	—	30.1	—	31.4	—	29.6	—	44.7	—	44.0	—	52.0	—	40.3	—	39.6	—	44.1	—	—	—	36.9
Means for 50 years, 1876-80	—	38.6	—	32.0	—	29.8	—	29.0	—	32.2	—	32.5	—	31.1	—	44.2	—	41.4	—	44.6	—	39.6	—	41.9	—	42.3	—	—	—	36.7
1881	222	33.8	199	29.3	197	28.2	193	27.0	177	27.7	171	28.6	187	28.2	206	45.0	190	40.1	195	39.3	234	36.9	209	40.7	206	40.4	208	33.9	197	34.3
1882	254	37.9	223	32.0	207	30.4	197	30.9	210	30.5	197	31.4	206	32.2	233	51.5	222	43.1	235	50.4	253	41.6	240	45.9	237	46.5	239	39.5	222	39.4
1883	247	37.9	197	26.3	196	25.9	199	28.9	190	30.8	183	26.5	193	27.7	221	50.6	197	35.4	217	38.5	247	40.0	218	45.3	230	42.0	230	34.5	207	34.9
1884	235	40.8	191	23.1	162	19.9	163	22.0	166	22.4	165	23.3	169	22.1	215	50.9	188	32.0	203	35.9	235	41.4	207	36.9	209	39.6	215	29.9	189	30.9
1885	246	35.0	182	21.5	180	23.2	182	27.2	185	27.4	171	27.4	180	25.3	203	42.6	191	31.3	205	39.3	212	33.3	209	39.6	204	37.2	219	31.2	192	31.3
Means for 50 years, 1881-85	241	37.1	198	26.4	188	25.5	187	27.2	186	29.0	177	27.4	187	27.1	216	48.1	198	36.6	211	40.7	236	38.6	217	41.7	216	41.1	222	33.8	203	34.1
1886	263	39.1	204	24.9	199	29.2	193	26.2	202	33.1	195	32.9	199	29.3	218	48.1	214	43.0	218	46.5	234	42.8	227	46.3	222	45.3	251	38.6	211	37.3
1887	241	41.6	183	24.4	174	20.6	166	19.1	148	19.2	150	21.5	164	21.0	181	38.7	163	24.9	159	28.3	188	32.3	159	28.5	170	30.5	181	26.2	167	25.8
1888	242	43.9	208	30.4	187	25.6	188	24.2	175	26.8	184	28.5	188	27.1	200	46.5	200	31.1	208	38.4	217	36.9	197	39.9	205	38.6	228	31.9	199	32.9
1889	245	42.0	197	26.0	182	24.1	189	26.3	175	26.8	175	25.6	185	25.8	211	42.4	197	32.4	197	35.9	232	38.5	210	37.6	209	37.4	210	30.2	200	31.6
1890	264	55.1	222	32.9	193	25.0	184	22.7	182	22.0	180	25.4	192	25.6	224	52.8	210	35.0	218	38.1	246	38.8	229	41.4	225	41.2	216	33.1	209	33.4
Means for 50 years, 1886-90	251	44.3	203	27.7	187	24.9	184	23.7	176	25.6	177	26.8	185	25.7	207	45.7	197	33.3	200	37.4	223	37.9	204	38.7	206	38.6	217	32.0	196	32.2
1891	242	52.8	184	30.9	181	24.6	197	26.8	192	30.1	190	33.2	188	29.1	205	49.9	186	38.3	200	45.1	225	35.3	204	41.5	203	42.0	201	36.7	197	35.6
1892	253	49.8	201	28.2	197	25.6	180	27.2	176	23.1	160	24.4	183	25.7	206	46.5	205	37.2	192	31.1	232	38.0	203	40.1	208	38.6	195	29.2	190	32.2
1893	252	57.9	199	27.3	173	20.4	171	21.1	164	20.8	162	23.5	174	22.6	205	43.1	191	31.4	173	33.7	217	34.0	189	32.6	195	35.0	185	28.4	185	28.8
1894	234	53.5	201	33.9	208	25.8	205	26.6	196	27.4	196	32.1	201	29.2	219	49.5	213	36.3	214	44.9	234	33.0	212	43.5	218	42.4	221	38.6	210	35.8
Means for 29 years, 1866-94	—	45.0	—	30.8	—	26.0	—	25.6	—	28.3	—	29.3	—	28.0	—	45.5	—	39.1	—	43.3	—	39.2	—	39.8	—	41.4	—	—	—	34.7
Means for 50 years, 1866-70	45.9	—	47.2	—	47.1	—	49.0	—	49.1	—	49.5	—	48.4	—	48.1	—	48.8	—	51.3	—	48.9	—	50.0	—	49.4	—	—	—	—	48.9
Means for 50 years, 1871-75	46.3	—	47.1	—	47.4	—	48.4	—	48.8	—	49.3	—	48.2	—	48.1	—	48.6	—	50.9	—	48.4	—	50.3	—	49.3	—	—	—	—	48.8
Means for 50 years, 1876-80	45.4	—	46.3	—	47.1	—	48.3	—	48.2	—	49.3	—	47.8	—	47.6	—	48.1	—	50.6	—	47.9	—	50.1	—	48.9	—	—	—	—	48.4
1881	44.1	—	45.4	—	46.2	—	47.7	—	47.4	—	49.1	—	47.2	—	46.3	—	47.3	—	49.4	—	47.4	—	49.0	—	47.9	—	51.8	—	47.6	
1882	46.2	—	47.3	—	48.4	—	49.1	—	48.7	—	50.4	—	48.8	—	48.2	—	49.0	—	50.3	—	48.7	—	49.8	—	49.2	—	51.7	—	49.0	
1883	45.3	—	46.9	—	47.4	—	48.5	—	48.2	—	49.7	—	48.1	—	47.6	—	48.3	—	49.6	—	48.0	—	49.4	—	48.6	—	51.5	—	48.4	
1884	46.6	—	47.7	—	48.7	—	49.8	—	49.5	—	51.0	—	49.3	—	48.6	—	49.3	—	50.7	—	48.8	—	50.2	—	49.5	—	52.5	—	49.4	
1885	44.4	—	45.9	—	46.8	—	47.5	—	47.3	—	49.0	—	47.3	—	46.4	—	46.9	—	48.7	—	47.2	—	48.6	—	47.6	—	50.7	—	47.5	
Means for 50 years, 1881-85	45.3	—	46.6	—	47.5	—	48.5	—	48.2	—	49.8	—	48.1	—	47.4	—	48.2	—	49.7	—	48.0	—	49.4	—	48.5	—	51.6	—	48.3	
1886	44.3	—	45.6	—	46.4	—	47.5	—	47.4	—	49.0	—	47.2	—	46.3	—	47.1	—	48.8	—	47.0	—	48.7	—	47.6	—	51.2	—	47.4	
1887	45.0	—	46.2	—	46.6	—	47.1	—	47.0	—	48.1	—	47.0	—	46.8	—	47.3	—	48.6	—	48.0	—	49.2	—	48.0	—	50.9	—	47.5	
1888	44.4	—	45.1	—	46.1	—	47.0	—	46.7	—	48.2	—	46.6	—	46.7	—	47.1	—	48.3	—	47.5	—	48.9	—	47.7	—	50.8	—	47.2	
1889	46.1	—	46.6	—	47.4	—	47.9	—	48.0	—	49.5	—	47.9	—	48.0	—	48.3	—	49.4	—	48.5	—	49.8	—	48.8	—	51.9	—	48.4	
1890	46.0	—	46.6	—	47.6	—	47.7	—	47.5	—	49.1	—	47.7	—	47.7	—	48.1	—	49.2	—	48.4	—	49.7	—	48.6	—	51.3	—	48.2	
Means for 50 years, 1886-90	45.2	—	46.1	—	46.8	—	47.4	—	47.3	—	48.8	—	47.3	—	47.1	—	47.6	—	48.9	—	47.9	—	49.3	—	48.2	—	51.2	—	47.8	
1891	45.5	—	45.7	—	46.5	—	47.5	—	47.2	—	48.9	—	47.2	—	47.3	—	47.8	—	48.8	—	47.8	—	49.0	—	48.1	—	51.3	—	47.7	
1892	43.9	—	44.2	—	45.7	—	46.8	—	46.3	—	48.4	—	46.3	—	45.9	—	46.8	—	48.4	—	47.0	—	48.5	—	47.3	—	51.4	—	46.8	
1893	46.7	—	47.3	—	48.7	—	49.6	—	49.8	—	51.2	—	49.3	—	48.9	—	50.3	—	51.4	—	49.8	—	51.2	—	50.3	—	53.9	—	49.8	
1894	46.5	—	46.2	—	47.6	—	48.8	—	48.6	—	50.4	—	48.3	—	48.0	—	49.3	—	50.1	—	48.5	—	50.0	—	49.2	—	52.7	—	48.8	
Means for 29 years, 1866-94	45.6	—	46.5	—	47.2	—	48.3	—	48.3	—	49.4	—	47.9	—	47.6	—	48.4	—	50.2	—	48.2	—	49.8	—	48.8	—	—	—	—	48.4

RAINFALL
(in inches)

MEAN TEMPERATURE
(in Degrees Fahrenheit).

TABLE IA.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST YEARS FOR THE TWENTY-NINE YEARS, 1866 TO 1894.

Wheat Districts.				Grazing, &c. Districts.				Generally.			
Rainfall		Temperature		Rainfall		Temperature		Rainfall		Temperature	
Driest	Wettest	Coldest	Warmest	Driest	Wettest	Coldest	Warmest	Driest	Wettest	Coldest	Warmest
Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
21.0 in 1887	40.2 in 1872	45.5 in 1879	50.1 in 1868	30.5 in 1887	58.9 in 1872	46.9 in 1879	50.7 in 1868	25.8 in 1887	49.1 in 1872	46.2 in 1879	50.4 in 1868

NOTES.

1.—Rainfall.

The mean values for the Rainfall in the districts given as Table I. in the various Quarterly Summaries were obtained as follows. Those for the years 1866 to 1877 were derived from observations made at the following stations:—

Districts.	Stations.	Districts.	Stations.
0. SCOTLAND, N. - - -	{ Loch Broom. Helmsdale. Sandwick Manse.	5. ENGLAND, S. - - -	{ Bridport. Selborne. Maidstone. London (Camden Town).
1. SCOTLAND, E. - - -	{ Inverness. Aberdeen. Ballater. Logierait. Stirling. Hawick.	6. SCOTLAND, W. - - -	{ Dumfries. Ayr. Castle Toward.
2. ENGLAND, N.E. - - -	{ N. Shields. York. Grimsby. Boston.	7. ENGLAND, N.W., and N. WALES	{ Llandudno. Manchester. Skipton.
3. ENGLAND, E. - - -	{ 1866 to 1875. { Fakenham. Beeches. Witham. Bury St. Edmunds. 1876 & 1877. { Yarmouth. Cambridge. Bury St. Edmunds.	8. ENGLAND, S.W., and S. WALES	{ Barnstaple. Bodmin. Haverfordwest. Rhayader.
4. MIDLAND COUNTIES - - -	{ Leicester. Derby. Tenbury. Shiffnal. Cirencester. Banbury. Hitchin.	9. IRELAND, N. - - -	{ Galway. Bunninadden, Co. Sligo. (Doo Castle.) Waringstown. Strabane.
		10. IRELAND, S. - - -	{ Cork. Waterford. Killaloe. Portarlington. Monkstown, Co. Dublin.

(The values were obtained mainly from Symons' Monthly Meteorological Magazine, supplemented by some of the values contained in the Reports of the Rainfall Committee of the British Association, 1868-1876.)

2.—Temperature.

The Temperature values for the years 1866 to 1877 have been obtained from the following stations:—

Districts.	Stations.	Districts.	Stations.
SCOTLAND, N. - - -	{ Sandwick Manse. Stornoway. Dunrobin.	7. ENGLAND, N.W., and N. WALES	{ Stonyhurst. Bradford. Leeds. Eccles. Liverpool. Llandudno.
SCOTLAND, E. - - -	{ Culloden. Aberdeen. Perth. Leith.	8. ENGLAND, S.W., and S. WALES	{ Gloucester. Taunton. Barnstaple. Truro. Helston.
2. ENGLAND, N.E. - - -	{ Bywell. N. Shields. Hull.	9. IRELAND, N. - - -	{ 1866 to 1873. { Belfast. Milltown (Banbridge). Armagh.† Athlone.* 1874 to 1877. { Moville. Milltown. Armagh. Donaghadee.
3. ENGLAND, E. - - -	{ Royston. Holkham. Norwich. Wisbeach. Somerleyton.	10. IRELAND, S. - - -	{ 1866 to 1873. { Dublin.* Curragh Camp. Buttevant.* Cork. Valencia.† 1874 to 1877. { Kingstown. Parsonstown. Cork. Roche's Point. Valencia.
4. MIDLAND COUNTIES - - -	{ Derby. Nottingham. Cardington. Oxford.		
5. ENGLAND, S. - - -	{ Marlborough. Greenwich. Streatley. London (Camden Town). Weybridge. Strathfield Turgiss. Osborne. Bournemouth. Worthing.		
6. SCOTLAND, W. - - -	{ Greenock. Cockermouth. Silloth. Carlisle.		

(The values were obtained mainly from the returns published quarterly by the Registrar General, by the Scottish Meteorological Society (in their Quarterly Journal), and the reports of the Army Medical Department, besides the records of the two Irish observatories, Valencia and Armagh. The returns for Cork were furnished by R. Caulfield, Esq., LL.D.)

For the years 1878 to 1894 the means are obtained from the observations published in the Weekly Weather Report.

* Did not commence till January 1867.

† Did not commence till January 1869.

By Order,
ROBERT H. SCOTT, Secretary.

WEEKLY WEATHER REPORT, 1894.

VOL. XI. APPENDIX II.
Third Series.

[Price 1s.]

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT,
DURING THE YEAR 1894.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.											Principal Grazing, &c. Districts.											CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	0. SCOTLAND, N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.	MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.	7. ENGLAND, N.W.	8. ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR GRAZING, &c. DISTRICTS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.	Weekly. From Dec. 31/93.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT,
DURING THE YEAR 1894.

DATE.		Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.							
		Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.						
RAINFALL IN INCHES.																																	
1894.																																	
Dec. 31/93-Jan. 6/94		0.20	0.20	0.27	0.27	0.42	0.42	0.32	0.32	0.12	0.12	0.16	0.16	0.23	0.26	0.07	0.07	0.06	0.06	0.16	0.16	0.17	0.17	0.23	0.23	0.14	0.14	0.32	0.32	0.20	0.20		
Jan. 7-13		0.86	1.06	0.94	1.21	0.37	0.79	0.26	0.58	0.42	0.54	0.58	0.74	0.51	0.77	1.54	1.61	0.75	0.81	1.32	1.48	1.23	1.45	2.19	2.42	1.42	1.56	1.47	1.79	0.96	1.16		
14-20		1.63	2.69	0.73	1.94	0.50	1.29	0.33	1.11	0.83	1.37	0.80	1.54	0.68	1.45	1.95	3.56	0.91	1.72	0.99	2.47	1.41	2.86	1.17	3.59	1.28	2.84	1.26	3.05	0.98	2.14		
21-27		3.20	5.89	0.98	2.92	0.23	1.52	0.45	1.56	0.35	1.72	0.94	2.48	0.59	2.04	1.71	5.30	0.68	2.40	0.89	3.36	1.50	4.36	0.90	4.49	1.14	3.98	0.95	4.00	0.87	3.01		
Jan. 28-Feb. 3		2.72	8.61	1.21	4.13	0.36	1.88	0.45	2.01	0.48	2.20	0.81	3.29	0.66	2.70	1.92	7.22	1.23	3.63	1.31	4.67	1.29	5.65	1.22	5.71	1.30	5.37	0.82	4.82	1.02	4.03		
Feb. 4-10		3.13	11.74	1.41	5.54	0.52	2.40	0.11	2.12	0.33	2.53	0.31	3.60	0.54	3.24	2.36	9.58	1.50	5.13	0.75	5.42	1.59	7.24	0.57	6.28	1.35	6.72	0.24	5.06	0.95	4.98		
11-17		1.84	13.58	2.10	7.64	1.07	4.07	0.42	2.54	1.35	3.88	0.75	4.35	1.26	4.50	2.47	12.05	1.09	6.22	1.13	6.55	0.98	8.22	0.72	7.00	1.28	8.00	0.51	5.57	1.27	6.25		
18-24		1.08	14.66	0.53	8.17	0.10	4.17	0.18	2.72	0.25	4.13	0.19	4.54	0.25	4.75	1.39	13.44	0.43	6.65	0.50	7.05	0.66	8.88	0.61	7.61	0.72	8.72	0.26	5.83	0.49	6.74		
Feb. 25-Mar. 3		2.30	16.96	1.40	9.57	0.46	4.63	0.49	3.21	0.52	4.65	0.73	5.27	0.72	5.47	2.01	15.45	1.14	7.79	1.12	8.17	1.30	10.18	1.24	8.85	1.36	10.08	0.68	6.51	1.04	7.78		
Mar. 4-10		2.04	19.90	1.20	10.77	0.24	4.87	0.35	3.56	0.40	5.05	0.46	5.73	0.53	6.00	2.40	17.85	1.23	9.02	1.12	9.39	1.40	11.58	1.15	10.00	1.46	11.54	0.42	6.93	0.99	8.77		
11-17		1.06	20.96	0.26	11.03	0.51	5.38	0.58	4.14	0.72	5.77	0.55	6.28	0.52	6.52	0.68	18.53	0.87	9.89	1.16	10.45	0.62	12.20	0.89	10.89	0.84	12.38	0.75	7.68	0.68	9.45		
18-24		0.16	21.12	0.00	11.03	0.03	5.41	0.01	4.15	0.00	5.77	0.00	6.28	0.01	6.53	0.07	18.60	0.01	9.99	0.00	10.45	0.00	12.20	0.03	10.89	0.02	12.40	0.00	7.68	0.02	9.47		
25-31		0.01	21.13	0.00	11.03	0.01	5.42	0.00	4.15	0.04	5.81	0.04	6.32	0.02	6.55	0.00	18.60	0.02	9.92	0.03	10.48	0.05	12.25	0.00	10.89	0.02	12.42	0.00	7.68	0.02	9.49		
April 1-7		0.01	21.14	0.11	11.14	0.22	5.64	0.13	4.28	0.14	5.95	0.03	6.35	0.13	6.68	0.29	18.89	0.24	10.16	0.21	10.69	0.22	12.47	0.33	11.22	0.26	12.68	0.18	7.86	0.20	9.69		
8-14		0.20	21.34	0.25	11.39	0.20	5.84	0.44	4.72	0.46	6.41	0.24	6.59	0.32	7.00	0.91	19.80	0.43	10.59	0.41	11.10	1.28	13.75	1.09	13.21	1.01	13.69	0.60	8.46	0.66	10.35		
15-21		0.21	21.55	0.50	11.39	0.29	6.13	0.46	5.18	0.44	6.85	0.51	7.10	0.44	7.44	0.38	20.18	0.52	11.11	0.49	11.59	0.41	14.16	0.70	13.91	0.50	14.19	0.69	9.15	0.47	10.82		
22-28		0.23	21.78	0.35	12.24	0.30	6.52	0.97	6.15	0.74	7.59	0.98	8.08	0.68	8.12	0.44	20.62	0.35	11.46	1.13	12.72	0.75	14.91	1.45	15.36	0.82	15.01	1.32	10.47	0.75	11.57		
April 29-May 5		0.88	22.66	0.58	12.82	0.31	6.83	0.23	6.38	0.21	7.80	0.25	8.33	0.32	8.44	0.47	21.09	0.49	11.95	0.25	12.97	0.40	15.31	0.40	15.76	0.40	15.41	0.31	10.78	0.36	11.93		
May 6-12		0.92	23.58	0.42	13.24	0.44	7.27	0.78	7.16	0.73	8.53	0.50	8.85	0.57	9.01	0.97	22.06	0.75	12.70	0.98	13.95	0.82	16.13	0.76	16.52	0.86	16.27	0.62	11.40	0.71	12.64		
13-19		0.55	24.13	1.10	14.34	0.47	7.74	0.17	7.33	0.44	8.97	0.09	8.92	0.45	9.46	1.00	23.06	1.16	13.86	0.83	14.78	1.09	17.22	1.29	17.81	1.08	17.35	0.89	12.59	0.77	13.41		
20-26		0.21	24.34	0.39	14.73	0.36	8.10	0.85	8.18	0.22	9.19	0.51	9.43	0.47	9.93	0.04	23.10	0.08	13.94	0.20	14.98	0.05	17.27	0.10	17.91	0.09	17.44	0.21	12.50	0.28	13.69		
May 27-June 2		0.70	25.04	0.96	15.69	1.61	9.71	0.74	8.92	0.63	9.82	0.84	10.27	0.96	10.89	0.81	23.91	0.70	14.64	0.83	15.81	0.55	17.82	0.57	18.48	0.60	18.13	0.59	13.09	0.83	14.52		
June 3-9		0.16	25.20	0.69	16.38	1.52	11.23	1.07	9.99	1.25	11.07	1.04	11.31	1.11	12.00	1.00	24.91	0.98	15.62	1.21	17.02	0.79	18.61	0.92	19.40	0.98	19.11	0.73	13.82	1.05	15.57		
10-16		0.89	26.09	0.78	17.14	0.92	12.15	1.05	11.04	0.46	11.53	0.42	11.73	0.72	12.72	1.01	25.92	0.46	16.08	0.40	17.42	0.09	19.30	0.50	19.90	0.61	19.72	0.18	14.00	0.63	16.23		
17-23		1.07	27.16	0.45	17.59	0.36	12.51	0.24	11.28	0.16	11.69	0.27	12.10	0.32	13.04	0.90	26.82	0.60	16.68	0.54	17.96	0.72	20.02	0.66	20.56	0.63	20.40	0.37	14.37	0.59	16.73		
24-30		0.08	27.24	0.02	17.61	0.07	12.58	0.01	11.29	0.00	11.69	0.00	12.10	0.02	13.06	0.09	26.91	0.20	16.88	0.01	17.97	0.24	20.26	0.04	20.60	0.12	20.52	0.00	14.37	0.07	16.80		
July 1-7		1.38	28.62	1.16	18.77	0.19	12.77	0.21	11.50	0.14	11.83	0.36	12.46	0.41	13.47	1.30	28.21	0.57	17.45	0.30	18.27	0.94	21.29	1.13	21.73	0.85	21.37	0.82	15.19	0.63	17.43		
8-14		1.85	30.47	1.06	19.83	0.09	13.46	1.43	12.93	0.53	12.36	1.82	14.28	1.11	14.58	0.48	28.69	0.34	17.79	1.06	19.33	0.96	22.16	1.24	22.97	0.81	22.18	1.79	16.93	0.93	18.39		
15-21		1.19	31.66	1.09	20.92	0.96	14.42	0.61	13.54	0.47	12.83	0.73	15.01	0.77	15.35	0.80	29.49	0.99	18.78	0.68	20.01	1.16	23.32	0.46	23.43	0.82	23.00	0.74	17.72	0.80	19.19		
22-28		0.15	31.81	0.26	21.18	0.43	14.85	0.87	14.41	1.32	14.15	0.89	15.90	0.75	16.10	0.35	29.84	0.96	19.74	2.16	22.17	0.61	23.95	1.05	24.48	1.03	24.03	2.11	19.83	0.89	20.08		
July 23-Aug. 4		0.80	32.61	1.40	22.58	0.59	15.44	0.25	14.66	0.76	14.91	0.95	16.85	0.79	16.89	1.48	31.32	1.51	21.32	0.99	23.16	0.50	24.52	0.80	25.28	1.07	25.10	1.38	21.21	0.93	21.01		
Aug. 5-11		1.66	34.27	0.98																													

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE
42° F. IN EACH DISTRICT, DURING THE YEAR 1894.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.													Principal Grazing, &c. Districts.													CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.		
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.					
	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.				Weekly.
DAY-DEGREES ABOVE 42° FAHRENHEIT.																														
1894.																														
Dec. 31/93-Jan. 6/94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jan. 7-13	9	9	2	2	0	0	0	0	4	4	8	8	3	3	8	8	7	7	21	26	10	29	29	16	16	25	25	10	10	10
14-20	8	17	11	13	21	21	24	24	25	29	25	33	21	24	18	26	24	31	31	57	22	32	31	60	25	41	47	71	23	33
21-27	1	18	6	19	10	31	11	35	12	41	13	46	10	34	8	34	12	43	24	81	11	43	20	89	17	58	26	97	13	46
Jan. 28-Feb. 3	4	22	1	20	8	39	13	48	13	54	25	71	12	46	8	42	11	54	23	104	8	51	16	105	13	71	26	123	13	59
Feb. 4-10	8	30	14	34	29	63	36	84	36	90	30	101	20	75	20	62	30	84	29	133	30	81	41	146	30	101	45	168	29	88
11-17	0	30	0	34	0	68	8	92	10	100	13	114	6	81	2	64	11	95	23	156	13	94	28	174	16	117	32	200	11	99
18-24	4	34	1	35	0	68	0	92	0	100	0	114	0	81	1	65	2	97	5	161	11	105	17	191	7	124	10	210	4	103
Feb. 25-Mar. 3	5	39	11	46	29	97	35	127	34	134	31	145	23	109	14	79	27	124	30	191	27	132	33	224	26	150	36	246	27	130
Mar. 4-10	6	45	12	58	17	114	31	158	20	154	29	174	22	131	10	89	20	144	26	217	25	157	31	255	23	173	34	280	23	153
11-17	6	51	12	70	15	129	30	188	18	172	28	202	20	151	10	99	14	158	27	244	15	172	25	280	18	191	28	308	19	172
18-24	43	94	54	124	43	172	39	227	45	217	37	239	44	195	41	140	42	200	40	284	42	214	41	321	41	232	38	346	42	214
25-31	54	148	56	180	50	222	61	288	74	291	59	298	60	255	61	201	63	268	58	342	64	278	61	382	62	294	67	413	61	275
April 1-7	41	189	31	211	29	251	54	342	64	355	68	366	40	304	46	247	55	321	60	402	47	325	53	435	52	346	82	495	50	325
8-14	44	233	41	252	45	296	67	409	64	419	75	441	58	362	48	295	64	385	62	464	59	375	56	491	56	402	69	564	57	382
15-21	45	278	46	298	41	337	39	448	51	470	51	492	46	408	47	342	45	430	44	508	45	420	45	536	45	447	60	624	46	428
22-28	44	322	41	339	39	376	40	497	50	520	54	546	47	455	44	386	45	475	47	555	47	467	54	590	47	494	60	684	47	475
April 29-May 5	32	354	44	383	39	415	44	541	51	571	49	595	45	500	38	424	39	514	55	610	43	510	60	650	47	541	64	748	46	521
May 6-12	36	390	44	427	50	465	56	597	53	624	62	657	53	553	39	463	52	566	56	666	40	550	53	703	48	589	71	819	50	571
13-19	30	420	25	452	34	499	71	668	62	686	87	744	56	609	45	505	58	624	67	733	43	593	70	773	57	646	78	897	57	628
20-26	39	459	43	495	34	533	42	710	50	736	49	793	44	653	40	557	39	663	49	782	50	643	53	826	48	694	55	952	46	674
May 27-June 2	40	499	40	535	38	571	52	762	53	789	53	846	47	700	47	604	47	710	47	829	46	689	53	879	44	742	71	1023	48	722
June 3-9	55	554	50	585	56	627	84	846	83	872	96	942	74	774	68	672	77	787	88	917	71	760	90	969	79	821	104	1127	76	798
10-16	64	618	75	660	78	705	84	930	88	960	97	1039	85	859	76	748	86	873	90	1007	76	836	88	1057	83	904	92	1219	84	882
17-23	64	682	71	731	101	806	111	1041	99	1059	104	1143	97	956	71	819	89	962	91	1098	78	914	93	1150	81	988	109	1328	91	973
24-30	118	800	116	847	111	917	120	1161	135	1194	139	1282	124	1050	129	948	132	1094	135	1233	130	1044	137	1287	133	1121	132	1460	123	1101
July 1-7	125	925	124	971	138	1055	149	1310	144	1338	153	1435	142	1222	124	1072	146	1240	132	1365	123	1167	126	1413	130	1251	139	1599	136	1237
8-14	91	1016	102	1073	114	1169	117	1427	113	1451	119	1554	113	1335	98	1170	109	1349	106	1471	95	1262	104	1517	103	1354	118	1717	103	1345
15-21	90	1106	98	1171	111	1280	110	1537	113	1564	121	1675	110	1445	97	1267	108	1457	112	1583	101	1363	100	1626	105	1459	123	1840	108	1453
22-28	119	1225	111	1282	123	1403	132	1669	129	1693	138	1813	127	1572	123	1390	130	1587	129	1703	118	1481	113	1739	121	1580	135	1975	124	1577
July 29-Aug. 4	118	1343	116	1398	120	1523	137	1806	130	1823	137	1950	128	1700	123	1513	129	1716	123	1829	123	1604	120	1859	124	1704	126	2101	123	1703
Aug. 5-11	96	1439	104	1502	116	1639	127	1933	111	1934	132	2082	118	1818	103	1616	114	1830	111	1940	104	1708	109	1968	108	1812	128	2229	113	1816
12-18	80	1519	92	1594	100	1739	114	2047	107	2041	124	2206	107	1925	97	1713	105	1935	100	2049	96	1804	101	2072	102	1914	123	2352	105	1921
19-25	73	1592	73	1667	83	1822	95	2142	90	2131	117	2323	92	2017	81	1794	97	2032	106	2155	92	1896	101	2176	96	2010	134	2486	104	2015
Aug. 26-Sept. 1	77	1669	81	1748	100	1922	118	2260	113	2244	133	2456	100	2126	86	1880	104	2136	120	2275	92	1988	102	2278	101	2111	142	2628	105	2120
Sept. 2-8	52	1721	57	1805	69	1982	67	2327	67	2311	85	2541	67	2193	60	1940	75	2211	81	2356	65	2057	66	2344	69	2180	106	2734	68	2188
9-15	75	1796	82	1887	81	2063	87	2414	78	2389	93	2634	84	2277	78	2018	87	2298	85	2441	81	2138	83	2427	83	2203	107	2841	81	2272
16-22	69	1865	67	1954	79	2142	91	2505	85	2474	104	2738	85	2362	77	2095	85	2383	99	2542	81	2219	93	2520	87	2350	125	2966	86	2358
23-29	43	190																												

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW
42° F. IN EACH DISTRICT, DURING THE YEAR 1894.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.														Channel Islands.	MEANS FOR THE BRITISH ISLANDS GENERALLY.						
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &c. DISTRICTS.											
	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.										
DAY-DEGREES BELOW 42° FAHRENHEIT.																																				
1894.																																				
Dec. 31/93-Jan. 6/94	60	60	71	71	74	74	101	101	104	104	99	99	90	90	62	62	75	75	90	90	60	69	71	71	73	73	60	60	81	81						
Jan. 7-13	30	90	46	117	48	122	49	150	37	141	33	132	42	132	26	88	32	107	14	104	26	95	17	88	23	96	6	66	33	114						
14-20	19	109	26	143	11	133	10	160	7	148	4	136	12	144	6	94	2	109	0	104	8	103	5	93	4	100	0	66	8	122						
21-27	49	149	42	185	33	160	35	195	35	183	20	165	33	179	30	124	25	134	14	118	43	136	17	110	24	124	4	70	30	152						
Jan. 28-Feb. 3	36	185	42	227	32	198	30	225	30	213	14	179	30	209	28	152	26	160	14	132	34	170	18	128	24	148	1	71	27	179						
Feb. 4-10	22	207	25	252	9	207	13	238	10	223	4	183	12	221	6	158	2	162	0	132	7	177	0	138	3	151	0	71	8	187						
11-17	63	270	58	310	34	241	31	269	28	251	13	196	33	254	31	189	10	181	6	138	21	201	7	135	18	169	0	71	25	212						
18-24	26	296	36	346	53	294	60	335	64	315	48	244	53	307	26	215	41	222	41	179	29	230	31	166	33	202	22	93	43	255						
Feb. 25-Mar. 3	28	324	31	377	15	309	19	354	16	331	11	285	18	325	23	258	10	232	10	189	17	247	7	173	13	215	0	93	16	271						
Mar. 4-10	30	354	33	410	25	334	18	372	19	350	13	268	22	347	20	258	10	242	10	199	16	263	8	181	13	228	0	93	17	288						
11-17	38	392	49	450	33	367	18	390	31	381	11	279	26	373	32	290	24	266	13	212	32	295	16	197	23	251	0	93	24	312						
18-24	10	402	16	466	18	385	22	412	21	402	13	292	18	391	6	296	10	276	11	223	7	302	5	202	8	219	1	94	13	325						
25-31	18	420	27	493	22	407	25	437	27	429	8	300	22	413	14	310	9	285	5	228	11	313	6	208	9	268	0	94	16	341						
April 1-7	14	434	17	510	7	414	9	446	9	438	0	300	8	421	6	316	4	289	0	228	1	314	0	208	2	270	0	94	5	346						
8-14	3	437	6	516	3	417	2	448	1	439	0	300	3	424	0	316	0	289	0	228	0	314	0	208	0	270	0	94	2	348						
15-21	5	442	11	527	7	424	1	449	8	447	0	300	5	429	6	322	0	289	1	229	4	318	1	209	3	273	0	94	4	352						
22-28	5	447	10	537	6	430	4	453	8	455	0	300	6	435	0	322	1	290	0	229	0	318	0	209	0	273	0	94	3	355						
April 29-May 5	7	454	7	544	3	433	6	459	2	457	0	300	4	439	0	322	0	290	0	229	0	318	0	209	0	273	0	94	2	357						
May 6-12	6	460	3	547	0	433	0	459	0	457	0	300	0	439	0	322	0	290	0	229	1	319	0	209	0	273	0	94	0	357						
13-19	9	469	5	552	0	433	0	459	0	457	0	300	1	440	0	322	0	290	0	229	0	319	0	209	0	273	0	94	1	358						
20-26	20	489	22	574	18	451	8	467	18	475	3	303	14	454	19	341	12	302	7	236	13	332	8	217	12	285	0	94	13	371						
May 27-June 2	6	495	7	581	4	455	4	471	8	483	0	303	5	459	4	345	0	302	0	236	2	334	0	217	1	286	0	94	3	374						
June 3-9	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
10-16	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
17-23	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
24-30	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
July 1-7	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
8-14	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
15-21	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
22-28	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
July 29-Aug. 4	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
Aug. 5-11	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
12-18	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
19-25	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
Aug. 26-Sept. 1	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
Sept. 2-8	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
9-15	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
16-22	0	495	0	581	0	455	0	471	0	483	0	303	0	459	0	345	0	302	0	236	0	334	0	217	0	286	0	94	0	374						
23-29	2	497	1	5852																																

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE
IN EACH DISTRICT, REGISTERED DURING THE YEAR 1894.

DATE.	LIMITS OF WEEKS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												CHANNEL ISLANDS.	MEANS FOR THE BRITISH ISLANDS GENERALLY.			
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.				MEANS FOR GRAZING, &c. DISTRICTS.		
		Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.			Weekly.	From Dec. 31/93.	Weekly.
NUMBERS OF HOURS OF BRIGHT SUNSHINE.																														
1894.																														
Dec. 31/93-Jan. 6/94	7	7	4	4	8	8	7	7	10	10	15	15	9	9	7	7	10	10	16	16	8	8	11	11	11	11	19	19	10	10
Jan. 7-13	4	11	7	11	5	13	8	15	8	18	10	25	8	17	8	15	12	22	14	30	14	22	13	24	12	23	14	33	10	20
14-20	3	14	8	19	8	21	13	28	9	27	12	37	10	27	5	20	3	25	11	41	6	28	11	35	7	30	15	48	9	29
21-27	5	19	16	35	15	36	18	46	13	40	19	56	16	43	12	32	10	35	14	55	10	38	13	48	12	42	21	69	14	43
Jan. 28-Feb. 3	2	21	10	45	17	53	23	72	22	62	25	81	20	63	13	45	15	50	23	78	10	48	15	63	15	57	24	93	18	61
Feb. 4-10	6	27	17	62	13	66	17	89	11	73	10	91	14	77	14	59	8	58	9	87	16	64	14	77	13	70	12	105	13	74
11-17	8	35	14	76	19	85	23	112	16	89	21	112	18	95	7	69	11	69	15	103	15	79	17	94	13	83	24	129	16	90
18-24	7	42	17	93	23	108	45	157	37	126	47	159	34	129	11	77	19	88	33	140	14	93	19	113	20	103	33	165	27	117
Feb. 25-Mar. 3	13	55	29	122	23	131	21	178	24	150	23	182	24	153	23	100	20	105	30	170	27	122	28	141	26	129	29	194	25	142
Mar. 4-10	14	69	22	144	27	158	30	208	24	174	26	208	26	179	21	124	14	122	22	192	21	141	24	165	21	150	27	221	24	166
11-17	26	95	47	191	49	207	40	248	39	213	35	243	42	221	48	172	38	160	41	233	27	168	25	192	33	186	38	259	39	205
18-24	31	126	46	237	39	246	34	282	28	241	45	286	38	259	29	201	32	192	47	280	31	199	34	224	34	222	55	314	33	241
25-31	53	179	55	292	56	302	63	345	62	303	68	354	61	320	61	262	59	251	71	351	63	264	69	293	65	285	70	384	63	304
April 1-7	33	215	23	315	28	330	41	386	41	344	43	400	36	356	35	297	36	287	43	397	31	295	35	328	37	322	49	433	36	340
8-14	29	244	23	338	32	362	42	428	35	379	49	449	33	392	12	309	24	311	43	440	11	306	29	348	22	344	49	482	29	369
15-21	38	282	35	373	49	411	23	451	35	414	28	477	34	426	36	345	41	352	40	480	33	339	41	389	28	382	34	516	36	405
22-28	49	331	34	407	20	431	33	484	32	446	37	514	31	457	42	387	37	389	52	532	36	375	33	422	40	422	46	562	36	441
April 29-May 5	30	361	40	447	37	468	34	518	29	475	38	552	36	493	39	426	24	413	33	570	25	402	30	452	31	453	44	606	33	474
May 6-12	23	394	36	483	39	507	30	548	36	511	35	587	35	528	44	470	36	449	39	609	44	444	41	496	42	495	42	648	39	513
13-19	37	431	21	504	18	525	39	587	22	533	51	638	30	558	22	492	26	475	32	641	15	459	24	520	24	519	41	689	27	540
20-26	55	486	60	564	55	580	56	643	61	594	49	687	59	614	70	562	59	534	67	708	75	534	70	599	68	587	66	755	62	602
May 27-June 2	48	534	36	600	32	612	41	684	34	628	45	732	38	652	35	597	49	574	50	758	41	575	46	636	42	629	57	812	49	642
June 3-9	53	587	27	627	14	626	13	697	12	640	22	754	18	670	22	619	22	596	23	781	23	598	32	668	24	653	37	849	21	663
10-16	19	606	32	659	26	652	27	724	36	676	39	793	32	702	43	662	37	633	59	831	33	631	32	700	39	692	54	923	36	699
17-23	22	628	35	694	34	686	44	768	36	712	32	825	36	738	39	701	31	664	23	854	39	661	37	737	32	724	22	925	34	733
24-30	51	679	50	744	59	745	65	833	61	773	76	901	62	800	52	753	59	723	67	921	49	710	50	787	58	780	72	997	59	792
July 1-7	30	709	58	800	66	811	73	906	67	840	71	972	67	867	43	795	56	779	65	985	35	745	42	829	48	828	67	1064	58	850
8-14	10	719	19	819	38	849	39	945	42	882	46	1018	37	904	34	830	41	820	39	1025	18	793	22	851	31	859	41	1105	34	884
15-21	22	741	29	848	26	875	22	967	21	903	19	1037	23	927	34	864	23	843	25	1050	22	785	23	874	26	885	126	1131	24	908
22-28	58	799	35	883	42	917	31	998	26	929	43	1080	35	962	48	912	30	873	25	1075	55	840	39	913	39	924	23	1157	37	945
July 29-Aug. 4	29	828	28	911	30	947	38	1036	23	957	27	1107	39	992	39	942	29	902	30	1105	31	871	26	939	29	953	26	1183	20	974
Aug. 5-11	17	845	35	946	25	972	32	1058	29	986	32	1139	31	1023	35	977	23	925	34	1139	39	901	32	971	31	984	45	1228	31	1005
12-18	20	865	32	978	32	1004	30	1107	30	1016	33	1172	33	1056	39	1007	23	948	39	1169	17	918	20	991	24	1008	38	1266	29	1034
19-25	30	895	34	1012	27	1031	24	1131	16	1032	22	1194	25	1081	43	1050	21	969	12	1181	27	945	13	1004	23	1031	24	1292	24	1058
Aug. 26-Sept. 1	12	907	20	1032	22	1053	37	1168	34	1066	52	1246	33	1114	16	1066	16	985	62	1243	4	949	7	1011	21	1052	68	1358	27	1085
Sept. 2-8	26	933	29	1061	29	1082	28	1196	32	1093	33	1279	39	1144	52	1113	35	1020	44	1287	51	1000	45	1056	46	1098	38	1396	38	1123
9-15	25	958	36	1097	36	1118	33	1229	39	1137	37	1316	36	1180	46	1164	37	1057	59	1346	30	1030	39	1095	42	1140	54	1450	39	1162
16-22	22	980	14	1111	7	1125	13	1242	3	1140	13	1329	19	1190	17	1181	9	1056	19	1395	12	1042	15	1110	14	1154	35	1485	12	1174
Sept. 23-29	28	1008	23	1134	33	1158	26	1268	23	1163	28	1357	27	1217	27	1208	32	1098	25	1390	36	1078	42	1152	32	1180	30	1515	30	1204
Sept. 30-Oct. 6	25	1033	19	1																										

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR THE PERCENTAGES OF THE POSSIBLE DURATION OF BRIGHT SUNSHINE IN EACH DISTRICT, WHICH WAS ACTUALLY RECORDED DURING THE YEAR 1894.

DATE.	LIMITS OF WEEKS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.						
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.						MEANS FOR GRAZING, &c. DISTRICTS.				
		Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.	Weekly.	From Dec. 31/93.					Weekly.	From Dec. 31/93.			
PERCENTAGES OF POSSIBLE DURATION.																																		
1894.																																		
Dec. 31/93-Jan. 6/94	15	15	9	9	16	16	12	12	19	27	27	17	17	14	14	19	19	30	30	15	15	21	21	20	20	33	33	19	19					
Jan. 7-13	8	16	14	3	8	13	14	14	15	22	19	20	14	14	15	22	25	24	24	26	22	23	22	22	21	24	31	18	18					
14-20	7	16	15	8	15	15	23	18	16	17	20	20	18	16	10	13	6	19	19	22	12	18	20	21	13	19	25	28	16	18				
21-27	9	15	30	19	26	18	30	21	22	18	31	22	28	20	21	15	18	19	23	22	17	17	22	21	20	19	34	30	24	20				
Jan. 28-Feb. 3	4	13	18	20	29	20	43	26	36	22	40	26	33	23	22	16	25	21	36	25	17	18	24	22	25	21	37	31	29	22				
Feb. 4-10	10	14	28	24	21	20	26	26	17	21	15	24	22	23	22	18	12	20	14	22	26	19	22	21	19	20	17	29	21	22				
11-17	12	13	21	24	28	21	34	28	24	22	30	24	27	24	11	16	16	20	22	22	22	20	25	23	19	20	35	29	23	22				
18-24	10	13	29	25	33	23	63	33	52	26	65	29	48	27	15	16	26	21	53	27	20	20	27	23	28	21	50	33	38	24				
Feb. 25-Mar. 3	19	17	40	29	31	24	28	32	32	27	30	29	32	28	32	28	27	22	39	28	37	22	38	25	35	23	38	33	34	26				
Mar. 4-10	19	18	28	30	35	26	39	33	31	28	34	30	33	29	32	20	18	22	28	28	23	31	26	27	24	35	33	30	27	27				
11-17	32	21	58	33	61	30	50	35	48	30	43	31	52	32	59	25	46	25	51	30	34	25	31	26	44	26	47	34	48	29				
18-24	37	22	54	36	46	32	41	35	33	30	51	32	45	33	33	26	37	27	55	33	36	26	40	28	40	28	65	38	43	31				
25-31	60	26	61	38	63	35	71	38	71	34	77	37	68	36	70	30	68	31	81	37	74	31	79	33	74	33	80	44	71	35				
April 1-7	39	28	25	37	31	34	45	39	45	35	51	38	39	37	39	31	40	32	50	38	34	32	38	33	40	33	53	45	40	35				
8-14	30	28	23	36	33	34	45	40	37	35	52	39	58	37	12	29	25	32	46	38	11	30	22	32	23	32	52	46	31	35				
15-21	38	28	35	36	49	36	24	38	36	35	28	38	34	37	37	30	42	33	42	39	33	30	42	33	39	33	35	45	37	35				
22-28	47	31	34	36	20	34	33	38	32	35	37	38	51	36	41	31	37	33	52	40	35	30	33	33	40	33	46	44	36	35				
April 29-May 5	28	30	38	36	35	35	33	37	28	34	37	37	34	36	37	31	22	33	37	39	24	30	29	33	30	33	43	44	52	35				
May 6-12	39	32	32	36	36	35	28	37	34	33	33	37	33	36	41	32	33	33	37	39	41	31	41	33	39	34	40	44	36	35				
13-19	32	33	18	35	16	34	36	37	20	33	47	38	27	35	20	31	24	32	30	38	13	30	22	32	22	33	39	43	25	34				
20-26	47	34	52	37	49	35	50	38	55	35	45	38	50	37	61	35	53	34	61	40	67	32	62	34	61	35	61	44	55	36				
May 27-June 2	40	35	31	37	28	34	36	38	50	35	41	38	33	36	30	33	34	34	45	40	36	32	41	35	37	35	52	44	35	36				
June 3-9	43	37	22	37	12	33	11	36	11	33	19	37	15	35	19	32	19	33	21	39	19	31	28	34	21	34	34	44	18	35				
10-16	16	36	27	36	22	33	23	35	31	33	34	37	27	35	36	32	32	33	44	39	28	31	28	34	34	34	48	44	31	35				
17-23	18	35	28	36	20	33	38	36	31	33	28	36	30	35	33	32	27	33	20	38	25	31	32	34	27	34	20	43	29	35				
24-30	41	35	41	36	49	33	50	37	53	34	67	38	53	36	44	33	50	34	59	39	42	31	43	34	48	34	64	44	51	35				
July 1-7	25	35	47	37	56	34	64	38	58	35	63	39	58	37	37	33	48	35	57	40	30	31	36	34	42	35	61	45	50	36				
8-14	8	34	16	35	33	34	33	38	37	35	41	39	32	36	29	33	36	35	35	40	16	31	19	34	27	34	37	45	30	35				
15-21	18	34	25	35	22	34	20	37	19	34	17	38	21	36	30	33	20	34	23	39	19	30	21	33	23	34	23	44	22	35				
22-28	50	35	31	35	38	34	29	37	24	34	30	38	32	36	43	33	27	34	23	38	49	31	36	33	36	34	24	43	34	35				
July 29-Aug. 4	25	35	25	35	27	34	35	37	28	34	26	38	28	26	27	33	27	34	29	38	29	31	24	33	27	34	25	42	28	35				
Aug. 5-11	15	35	33	35	23	33	31	36	27	33	31	37	29	35	33	33	22	34	32	38	28	31	30	33	29	34	44	42	29	35				
12-18	19	35	31	35	31	33	30	36	29	33	33	37	33	35	29	33	22	33	30	38	16	30	20	32	24	33	39	42	29	34				
19-25	29	35	33	35	27	33	24	36	16	33	22	37	24	35	43	33	21	33	12	37	27	30	13	32	23	33	25	42	24	34				
Aug. 26-Sept. 1	13	34	21	34	23	33	30	36	36	33	55	37	35	35	17	32	17	33	64	38	4	30	7	31	22	33	73	43	29	34				
Sept. 2-8	28	34	31	35	32	33	31	36	35	33	36	37	33	35	56	33	37	33	48	38	55	30	49	32	49	33	42	42	41	34				
9-15	28	33	46	35	40	33	37	36	43	33	41	37	40	35	51	34	41	33	66	39	34	30	44	32	47	34	61	43	44	34				
16-22	26	33	16	34	8	33	15	36	4	32	15	36	11	34	20	33	11	33	22	38	14	30	17	32	17	33	41	43	14	34				
23-29	34	33	29	34	40	33	32	36	28	32	35	36	33	34	33	33	39	33	29	38	44	30	51	32	39	33	30	43	36	34				
Sept. 30-Oct. 6	32	33	24	34	22	33	21	35	16	32	25	36	22	34	19	33	27	33	42	38	32	30	38	32	31	33	32	43	27	34				
Oct. 7-13	15	32	18	34	13	32	11	35	12	32	17	35	14	34	10	32	11	33	26	38	14	30	17	32	16	35	48	43	15	34				
14-20	30	32	21	34	20	32	28	35	23	32	34	35	25	34	34	32	26	33	38	38	39	30	35	32	34	33	44	43	30	34				
21-27	32	32	35	34	14	32	29	35	20	317																								